

# **LABOUR FORCE**

**NEW SOUTH WALES AND  
AUSTRALIAN CAPITAL TERRITORY**

**EMBARGO: 11:30AM (CANBERRA TIME) FRI 6 FEB 1998**

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## **INQUIRIES**

- For more information about these and related statistics, please contact Peter Jones on Sydney (02) 9268 4495 or Tim Power on Canberra (02) 6207 0244. For information about other ABS statistics and services, refer to the back of this publication.

## NOTES

This publication contains estimates of the civilian labour force in New South Wales (NSW) and the Australian Capital Territory (ACT) derived from the Labour Force Survey (LFS) component of the Monthly Population Survey, which is conducted on a sample basis throughout Australia. Explanatory notes for data contained in this publication can be found on page 45.

Care should be taken in the interpretation of month-to-month movements in the estimates. Survey estimates are subject to sampling and non-sampling variability as explained in the Technical note on data reliability on page 57.

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### CHANGES THIS ISSUE

*New sample:* Following each Census of Population and Housing, the ABS selects a new sample for the Labour Force Survey. This is done to ensure that the sample continues to accurately represent the distribution of the Australian population. A new sample has recently been selected based on the 1996 Census. The bulk of the new sample is being phased in over the period September 1997 to April 1998, with one eighth of this portion of the sample being introduced each month. The remainder of the sample (about 15% of the total), which covers less settled areas of Australia and non-private dwellings, was rotated in fully in September 1997 for New South Wales, Victoria, Tasmania, Northern Territory and the Australian Capital Territory and in October 1997 for the other States.

*New labour force regions:* Changes were made to labour force regions in NSW from September 1997. Blacktown-Baulkham Hills Statistical Region (SR) was split up with Blacktown being merged with Outer Western Sydney SR to form Outer Western Sydney SR and Blacktown (C) and Baulkham Hills being merged with Hornsby-Ku-ring-gai SR to form Hornsby-Ku-ring-gai SR and Baulkham Hills (A). Publication of data for the former regions has been discontinued. In addition, from September 1997, the Northern, Far West-North Western and Central West SRs has included the Far West Statistical Division, previously excluded. This has resulted in an estimated additional 12,000 people in the labour force for this region and a series break in the data.

These changes affect the data in table 19 and the graphs on page 6.

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### SYMBOLS AND OTHER USAGES

A	Area
C	City
MSR	Major Statistical Region
n.e.c.	Not elsewhere classified
SD	Statistical Division
SR	Statistical Region
SRS	Statistical Region Sector
*	Subject to sampling variability too high for most practical purposes. See the Technical note on data reliability.
—	Nil or rounded to zero (including null cells)

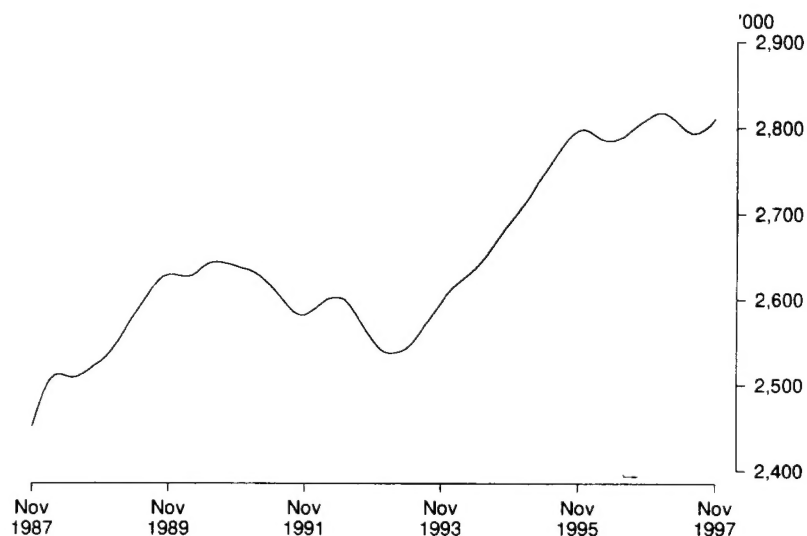
Etel Hammond-Roldan  
Acting Regional Director  
New South Wales

## SUMMARY OF FINDINGS NSW

### TREND ESTIMATES

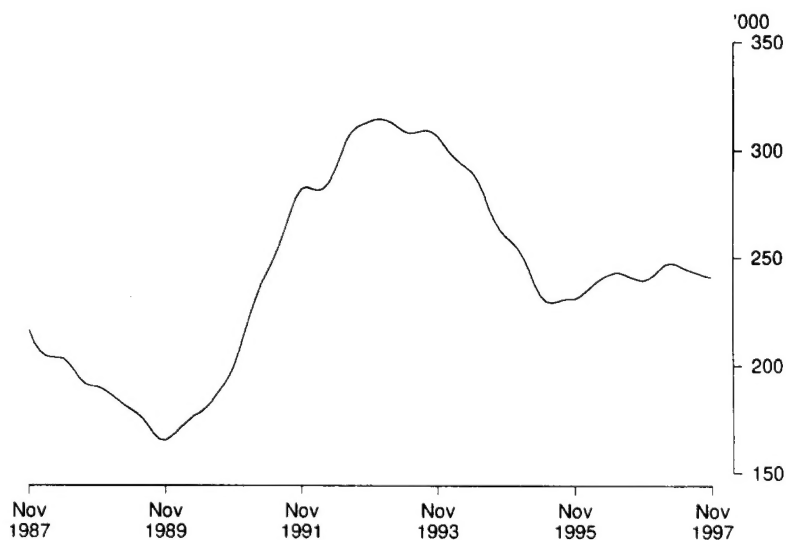
#### Employed persons

Trend estimates of employed people in NSW rose from 2,537,000 in February 1993 to 2,798,000 in December 1995. Following small falls in early 1996, the trend rose to a peak of 2,818,000 in February 1997. After more small falls for several months, the trend resumed rising in August 1997 and by November 1997 had reached 2,811,000.



#### Unemployed persons

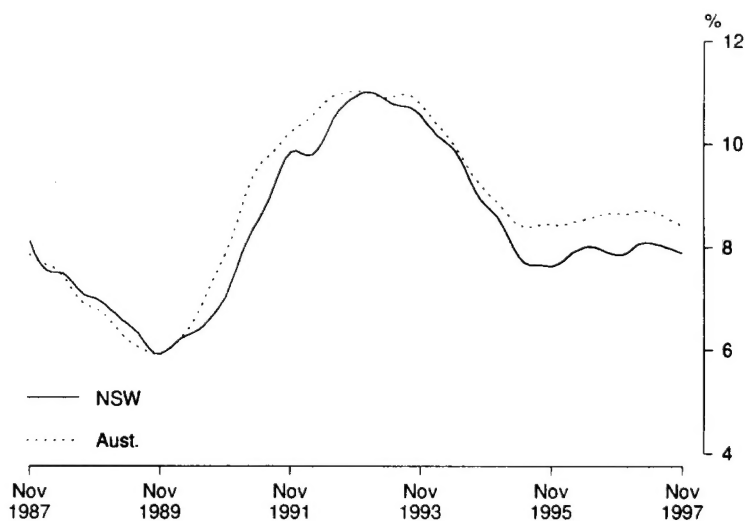
Trend estimates of unemployed people in NSW fell from a peak of 314,000 in January 1993 to 229,000 in July 1995. The trend then rose slowly to 248,000 in April 1997 before declining to 241,000 in November 1997.



## SUMMARY OF FINDINGS NSW *continued*

### Unemployment rate

From a peak of 11.0% early in 1993, the trend estimate of the NSW unemployment rate fell rapidly to 7.6% in October and November 1995. It then rose slowly to 8.1% in March–June 1997 before falling to 7.9% in November 1997.



### Participation rate and labour force

The trend estimate of the labour force participation rate has fallen steadily over the last two years from a peak of 62.8% at the end of 1995 to 61.5% in November 1997. The male participation rate fell from 72.9% to 71.8% in this period and the female rate fell from 53.0% to 51.6%.

Following the fall from the peak of 3,062,000 in February 1997 to 3,038,000 in August, the trend estimate of the labour force started rising again and had reached 3,052,000 by November 1997.

### SEASONALLY ADJUSTED ESTIMATES

In November 1997, the seasonally adjusted estimate of employment in NSW was 2,839,000 compared to 2,799,000 a year earlier.

Seasonally adjusted unemployment was 238,000 in November 1997 compared to 228,000 the previous November. The unemployment rate was 7.7% in November 1997 compared to 7.5% a year earlier.

## SUMMARY OF FINDINGS NSW *continued*

### REGIONS OF NSW

While the Labour Force Survey (LFS) is designed primarily to produce reliable estimates at the national and State/Territory level, it also delivers estimates for a number of regions within States. As with national and State estimates, regional labour force estimates are subject to sampling error. Since estimates for regions are components of corresponding estimates at the State level — and are thus based on a considerably smaller sample size — they are subject to higher relative standard errors. Care should therefore be taken in interpretation of regional estimates, particularly month-to-month movements.

A new sample, based on the 1996 Census of Population and Housing, is being phased in over the period September 1997 to April 1998. Regional estimates from September 1997 onwards may not be directly comparable with those before that date because the new sample which has been selected may have different characteristics from the old.

#### Sydney

In November 1997, the estimated number of people employed in the Sydney Major Statistical Region (MSR) was almost 1.9 million, about 2% higher than a year earlier.

The unemployment rate rose from a six year low of 6.0% in November 1996 to 8.0% in February 1997 before falling back to 5.9% in October–November 1997. The rate was 6.4% for males and 5.4% for females in November 1997.

The lowest unemployment rates within Sydney MSR in November 1997 were in Northern Beaches Statistical Region (SR) with 2.3% and Hornsby–Ku-ring-gai (SR) and Baulkham Hills (A) with 3.0% while the highest rate was 14.9% in Fairfield–Liverpool SR.

The labour force participation rate for Sydney MSR was 64% with a rate of 74% for males and 55% for females. Rates ranged from 72% in Northern Beaches SR to 56% in Canterbury–Bankstown SR.

#### Balance of NSW

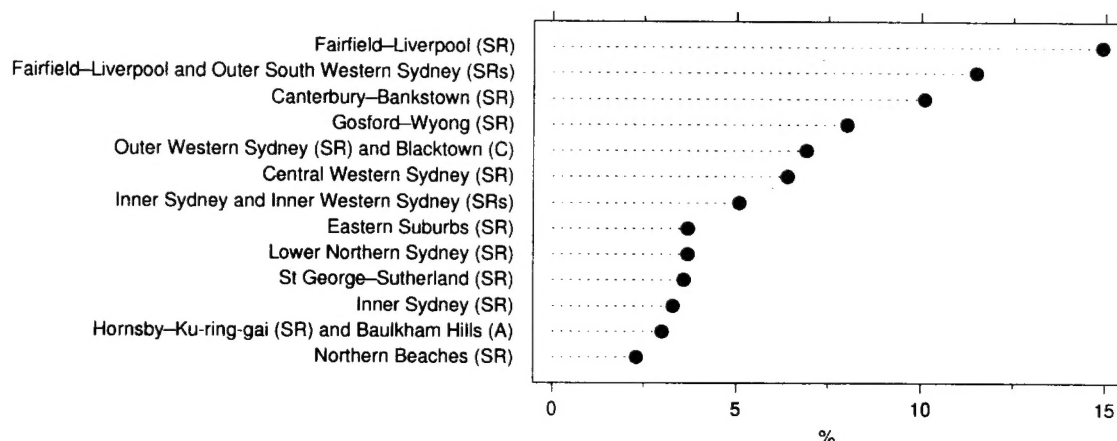
In November 1997, the estimated number of employed people in this area of NSW was 981,000.

From a level of 9.3% in November 1996, the unemployment rate in Balance of NSW MSR rose to 11.7% in February 1997 then fell to 9.9% in November 1997. The unemployment rate in November 1997 varied from a low of 5.9% in Northern, Far West–North Western and Central West (SRs) to 17.7% in the combined Richmond–Tweed and Mid-North Coast SRs.

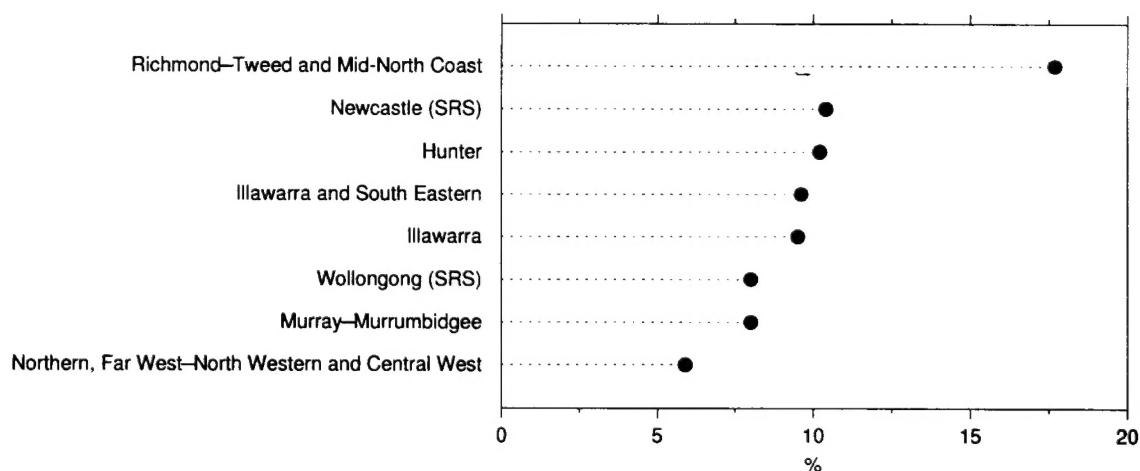
The participation rate for the Balance of NSW MSR was 58% in November 1997 with male participation at 69% and female participation at 48%.

## SUMMARY OF FINDINGS NSW *continued*

Unemployment rate, Sydney MSR, November 1997



Unemployment rate, Balance of NSW MSR, November 1997



### INDUSTRY AND OCCUPATION

In the year to November 1997, the largest gain in employment was in the Agriculture, forestry and fishing industry with an increase of 35,000 people (over 30%), while the largest decreases were in Finance and insurance and in Government administration and defence with falls of 17,000.

The main industries in NSW, based on employment in November 1997, were Retail trade with 15% of total employed and Manufacturing (14%). The manufacturing industry was also the top employer of males with 17% of employed men while Retail trade with 18% of employed females and Health and community services (17%) were the largest employers of women.

The largest occupation groups in NSW were Intermediate clerical, sales and service workers and Professionals both with 18% of the total.

## SUMMARY OF FINDINGS NSW *continued*

### AGE

The year to November 1997 saw employment increase across all age groups in NSW except 20–24 and 35–44 year olds. The largest change was in the 65 years and over age group, where employment increased by over 30%.

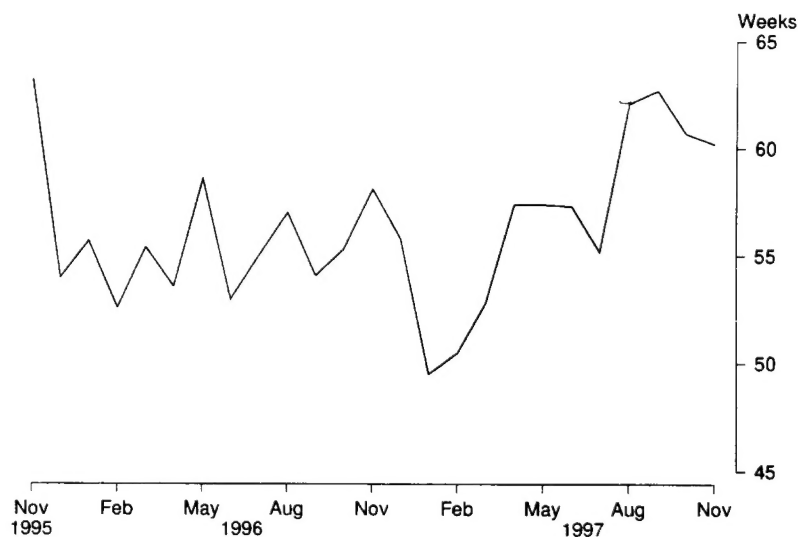
Part-time workers represented nearly one-quarter of all employed people in November 1997. This proportion varied between age groups with the highest levels for 15–19 years (60%) and 65 years and over (54%) and the lowest for 25–34 years (16%).

The unemployment rate was highest for the 15–19 years age group at 17.2%.

### DURATION OF UNEMPLOYMENT

In November 1997, the long-term unemployed represented over a third of all unemployed people. Average (mean) duration of unemployment was 60 weeks and the median duration of unemployment was 28 weeks.

Average duration of unemployment



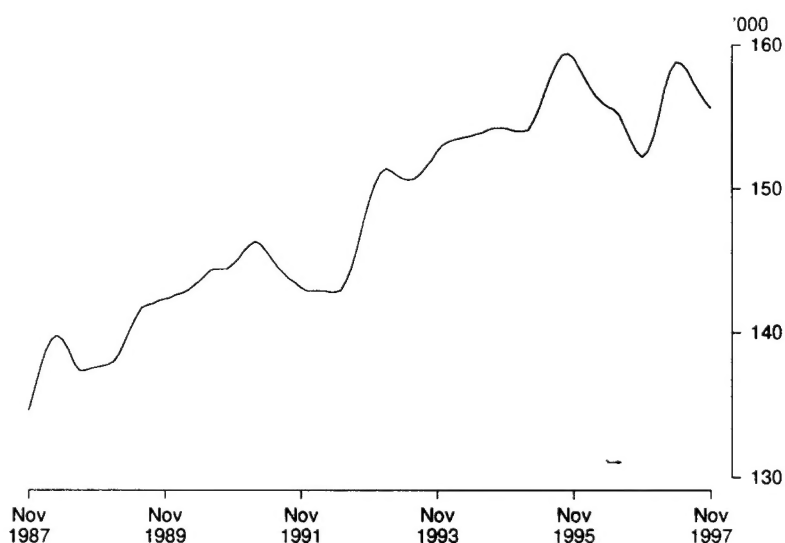
## SUMMARY OF FINDINGS ACT

Note: Seasonally adjusted estimates are not available for the ACT.

### TREND ESTIMATES

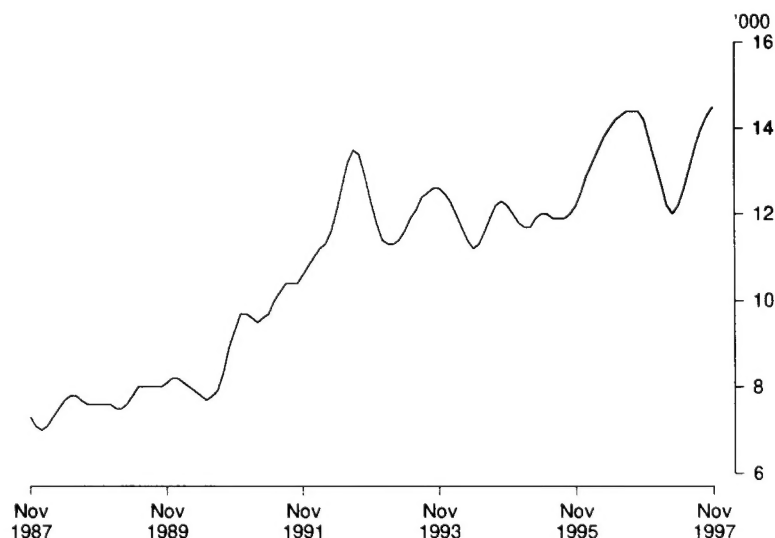
#### Employed persons

Trend estimates of employed people in the ACT has continued to fall over the last six months, dropping from a high of 159,000 in May 1997 to 156,000 in November. This fall occurred exclusively in female employment.



#### Unemployed persons

The trend estimate of unemployed people in the ACT has risen by over 20% in the last seven months from a low point of 12,000 in April 1997 to 14,500 in November. Unemployment has now returned to the historically high level experienced in August to October 1996.

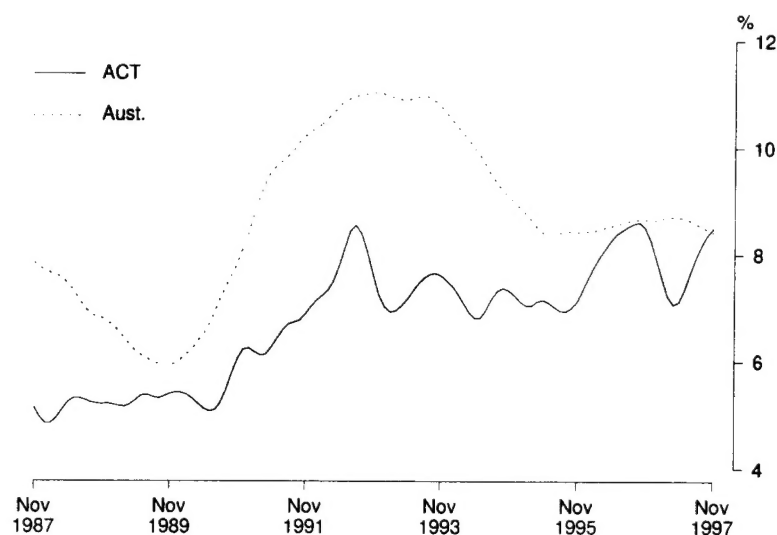




## SUMMARY OF FINDINGS ACT *continued*

### Unemployment rate

The trend estimate of the unemployment rate in the ACT has risen sharply over the past six months from 7.1% in May 1997 to 8.5% in November. The rate has returned to the level that occurred in the second half of 1996.



### Participation rate and labour force

The ACT trend estimate of the labour force participation rate increased from a low of 71.0% in December 1996 to 73.0% in July 1997 then fell to 72.3% in November. Whereas the male participation rate increased throughout 1997 to reach 80.2% in November, the female rate increased to 67.1% in May 1997 before dropping quickly to 64.6% in November.

The labour force estimate increased in the first half of 1997 but declined a little in the past five months to 170,000 in November.

### INDUSTRY AND OCCUPATION

For the year ending November 1997, the major industries in the ACT based on employment were Government administration and defence which had an annual average of 40,000 employed people or 26% of the total and both Retail trade and Property and business services with 13% of the total.

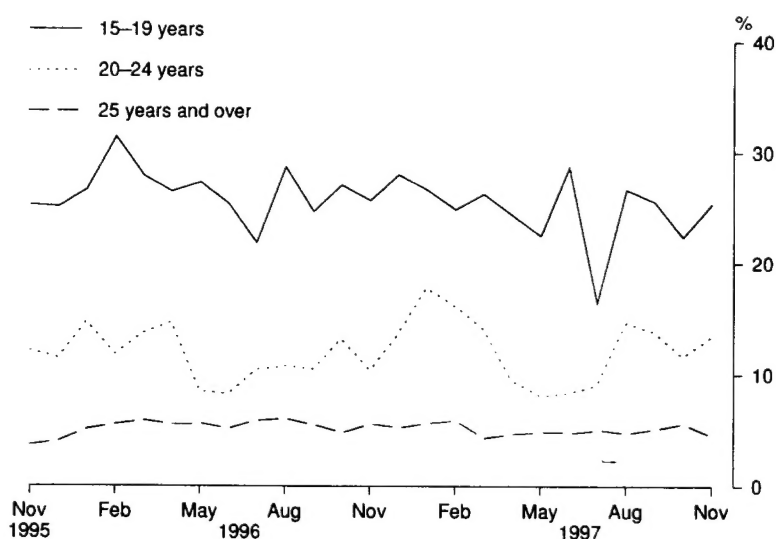
The largest occupation groups were Professionals with an annual average of 24% of employed people and Intermediate clerical, sales and service workers with 19%.

## SUMMARY OF FINDINGS ACT *continued*

### AGE

Part-time workers represented almost a quarter of all employed persons in the ACT but this proportion decreased with age from 74% of 15–19 year olds to 18% of those aged 25 years and over. Average weekly hours worked ranged from 18 hours per week for teenagers to 37 hours per week for those 25 years and over.

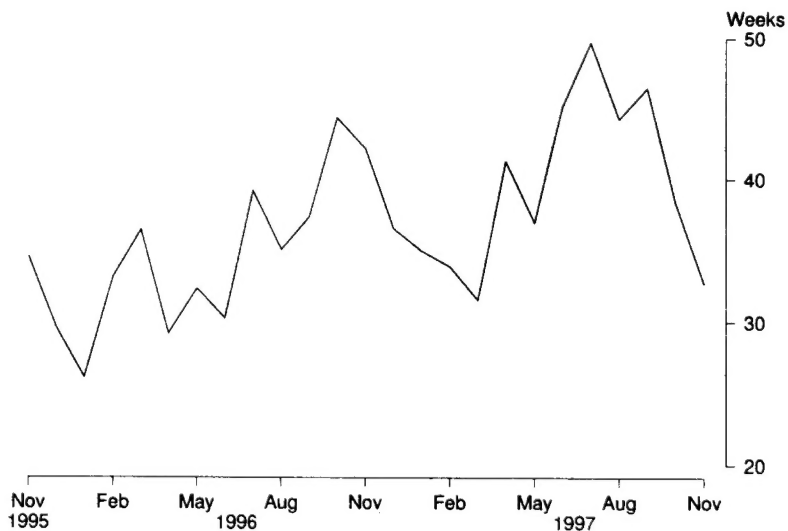
Unemployment rate by age



### DURATION OF UNEMPLOYMENT

In November 1997, the average duration of unemployment in the ACT was 33 weeks. The average ranged from 22 weeks for 15–19 year olds to 40 weeks for those aged 25 years and over.

Average duration of unemployment



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TABLE 1. LABOUR FORCE STATUS: ORIGINAL SERIES, NSW

Month	Employed		Unemployed			Labour force ( '000)	Not in labour force ( '000)	Civilian population aged 15 and over ( '000)	Unemp- loyment rate (per cent)	Partici- pation rate (per cent)	
	Full-time workers ( '000)	Part-time workers ( '000)	Total ( '000)	Looking for full- time work ( '000)	Looking for part- time work ( '000)						
MALES											
November—											
1993	1,337.6	148.9	1,486.4	165.5	11.2	176.7	1,663.1	652.6	2,315.7	10.6	71.8
1994	1,369.3	164.9	1,534.2	129.0	14.6	143.6	1,677.8	661.3	2,339.1	8.6	71.7
1995	1,408.5	182.9	1,591.4	121.2	13.4	134.5	1,725.9	642.7	2,368.7	7.8	72.9
1996—											
September	1,425.9	180.0	1,605.9	125.6	19.6	145.1	1,751.0	648.1	2,399.1	8.3	73.0
October	1,422.4	181.6	1,604.1	116.4	18.5	134.9	1,738.9	662.9	2,401.8	7.8	72.4
November	1,416.6	172.5	1,589.1	117.7	16.3	134.0	1,723.1	681.4	2,404.6	7.8	71.7
1997—											
August	1,390.3	177.2	1,567.6	120.3	14.9	135.2	1,702.8	723.7	2,426.5	7.9	70.2
September	1,434.3	179.0	1,613.3	126.1	21.5	147.6	1,760.9	668.5	2,429.3	8.4	72.5
October	1,428.1	167.2	1,595.3	121.3	17.6	138.9	1,734.2	698.1	2,432.3	8.0	71.3
November	1,431.3	184.0	1,615.2	119.0	19.0	138.1	1,753.3	681.9	2,435.2	7.9	72.0
MARRIED FEMALES											
November—											
1993	378.3	298.3	676.6	35.6	16.5	52.1	728.8	615.3	1,344.1	7.2	54.2
1994	384.7	301.9	686.5	25.5	17.9	43.4	729.9	654.2	1,384.1	5.9	52.7
1995	420.5	313.8	734.3	26.8	16.0	42.8	777.1	628.8	1,405.9	5.5	55.3
1996—											
September	401.0	313.7	714.7	24.5	18.4	42.8	757.5	646.4	1,404.0	5.7	54.0
October	405.5	306.8	712.3	22.5	16.5	38.9	751.3	648.0	1,399.2	5.2	53.7
November	399.1	312.3	711.4	17.1	13.7	30.8	742.2	642.0	1,384.2	4.2	53.6
1997—											
August	397.8	312.3	710.2	25.4	11.2	36.6	746.8	673.3	1,420.2	4.9	52.6
September	416.8	326.6	743.4	25.8	16.2	42.1	785.5	641.6	1,427.1	5.4	55.0
October	425.5	309.0	734.5	26.1	13.5	39.6	774.1	670.2	1,444.3	5.1	53.6
November	428.5	321.1	749.6	22.3	10.4	32.8	782.4	657.8	1,440.2	4.2	54.3
ALL FEMALES											
November—											
1993	682.9	439.4	1,122.2	80.0	34.3	114.4	1,236.6	1,162.0	2,398.6	9.2	51.6
1994	695.0	455.7	1,150.7	66.7	31.8	98.5	1,249.2	1,175.1	2,424.3	7.9	51.5
1995	735.0	485.2	1,220.3	65.0	29.0	94.0	1,314.3	1,137.6	2,451.9	7.2	53.6
1996—											
September	722.0	486.4	1,208.4	66.6	37.5	104.0	1,312.4	1,173.8	2,486.2	7.9	52.8
October	736.5	478.6	1,215.1	63.2	34.9	98.1	1,313.3	1,176.2	2,489.4	7.5	52.8
November	730.9	483.7	1,214.6	50.2	32.0	82.2	1,296.8	1,195.9	2,492.6	6.3	52.0
1997—											
August	703.9	479.0	1,182.9	65.3	27.5	92.7	1,275.6	1,240.8	2,516.5	7.3	50.7
September	722.2	504.6	1,226.8	63.4	32.7	96.1	1,322.9	1,196.5	2,519.4	7.3	52.5
October	721.0	473.1	1,194.1	68.1	29.3	97.3	1,291.5	1,230.6	2,522.1	7.5	51.2
November	725.5	502.8	1,228.3	62.1	25.8	87.8	1,316.1	1,208.6	2,524.7	6.7	52.1
PERSONS											
November—											
1993	2,020.4	588.3	2,608.7	245.6	45.5	291.1	2,899.8	1,814.6	4,714.4	10.0	61.5
1994	2,064.2	620.6	2,684.9	195.7	46.4	242.0	2,926.9	1,836.4	4,763.4	8.3	61.4
1995	2,143.5	668.1	2,811.6	186.2	42.4	228.6	3,040.2	1,780.4	4,820.6	7.5	63.1
1996—											
September	2,147.9	666.3	2,814.3	192.1	57.0	249.2	3,063.4	1,821.9	4,885.3	8.1	62.7
October	2,158.9	660.3	2,819.2	179.6	53.4	233.0	3,052.2	1,839.1	4,891.3	7.6	62.4
November	2,147.5	656.2	2,803.7	167.9	48.3	216.2	3,019.9	1,877.3	4,897.2	7.2	61.7
1997—											
August	2,094.3	656.2	2,750.5	185.6	42.4	228.0	2,978.4	1,964.5	4,942.9	7.7	60.3
September	2,156.5	683.5	2,840.0	189.5	54.2	243.7	3,083.8	1,865.0	4,948.7	7.9	62.3
October	2,149.1	640.3	2,789.4	189.3	46.9	236.2	3,025.7	1,928.7	4,954.3	7.8	61.1
November	2,156.7	686.8	2,843.5	181.1	44.8	225.9	3,069.4	1,890.5	4,959.9	7.4	61.9

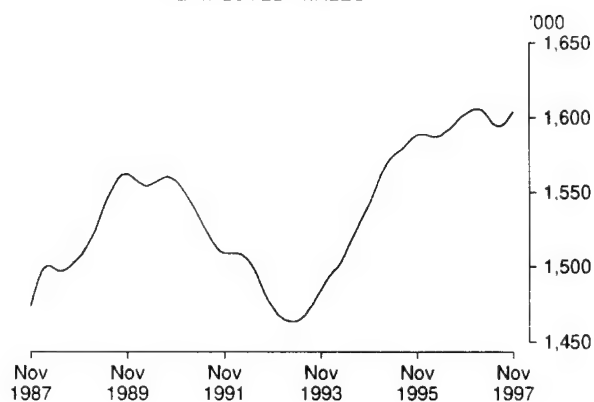
TABLE 2. LABOUR FORCE STATUS: SEASONALLY ADJUSTED AND TREND SERIES, NSW

Month	Seasonally adjusted series					Trend series (a)				
	Employed ( <sup>'000</sup> )	Unemp- loyed ( <sup>'000</sup> )	Labour force ( <sup>'000</sup> )	Unemp- loyment rate (per cent)	Partici- pation rate (per cent)	Employed ( <sup>'000</sup> )	Unemp- loyed ( <sup>'000</sup> )	Labour force ( <sup>'000</sup> )	Unemp- loyment rate (per cent)	Partici- pation rate (per cent)
MALES										
November—										
1993	1,487.8	187.1	1,675.0	11.2	72.3	1,484.6	189.2	1,673.8	11.3	72.3
1994	1,536.3	152.0	1,688.2	9.0	72.2	1,542.0	152.2	1,694.2	9.0	72.4
1995	1,594.9	142.1	1,736.9	8.2	73.3	1,588.4	139.3	1,727.6	8.1	72.9
1996—										
September	1,596.9	141.5	1,738.3	8.1	72.5	1,597.5	143.1	1,740.6	8.2	72.6
October	1,601.7	141.8	1,743.5	8.1	72.6	1,600.0	142.0	1,742.0	8.2	72.5
November	1,593.0	141.3	1,734.3	8.1	72.1	1,602.3	141.0	1,743.3	8.1	72.5
December	1,610.1	136.2	1,746.4	7.8	72.5	1,604.3	140.8	1,745.1	8.1	72.5
1997—										
January	1,618.0	137.3	1,755.2	7.8	72.9	1,605.4	141.3	1,746.6	8.1	72.5
February	1,589.7	151.1	1,740.7	8.7	72.2	1,605.9	142.3	1,748.2	8.1	72.5
March	1,607.1	142.0	1,749.0	8.1	72.5	1,605.2	143.4	1,748.5	8.2	72.5
April	1,610.0	143.7	1,753.7	8.2	72.6	1,603.1	143.8	1,746.9	8.2	72.3
May	1,596.7	147.3	1,744.0	8.4	72.1	1,599.6	143.9	1,743.5	8.3	72.1
June	1,601.8	131.9	1,733.7	7.6	71.6	1,596.4	143.7	1,740.1	8.3	71.9
July	1,595.9	155.1	1,751.0	8.9	72.2	1,594.6	143.7	1,738.4	8.3	71.7
August	1,576.2	140.4	1,716.7	8.2	70.7	1,594.5	144.2	1,738.7	8.3	71.7
September	1,603.9	143.7	1,747.6	8.2	71.9	1,596.4	144.7	1,741.1	8.3	71.7
October	1,593.2	146.2	1,739.4	8.4	71.5	1,599.6	145.1	1,744.7	8.3	71.7
November	1,619.4	145.5	1,764.9	8.2	72.5	1,604.0	145.4	1,749.4	8.3	71.8
FEMALES										
November—										
1993	1,115.4	122.4	1,237.8	9.9	51.6	1,111.6	117.1	1,228.7	9.5	51.2
1994	1,143.6	104.6	1,248.3	8.4	51.5	1,147.4	107.7	1,255.1	8.6	51.8
1995	1,212.5	99.8	1,312.3	7.6	53.5	1,208.6	91.8	1,300.5	7.1	53.0
1996—										
September	1,195.2	103.6	1,298.8	8.0	52.2	1,202.8	97.8	1,300.6	7.5	52.3
October	1,210.0	100.2	1,310.3	7.6	52.6	1,205.5	98.0	1,303.4	7.5	52.4
November	1,206.2	87.1	1,293.4	6.7	51.9	1,207.8	98.4	1,306.3	7.5	52.4
December	1,210.7	102.1	1,312.7	7.8	52.6	1,210.4	99.4	1,309.8	7.6	52.5
1997—										
January	1,213.8	101.3	1,315.0	7.7	52.6	1,212.0	100.8	1,312.7	7.7	52.6
February	1,212.3	107.7	1,320.0	8.2	52.8	1,211.8	102.4	1,314.2	7.8	52.6
March	1,206.3	98.9	1,305.2	7.6	52.2	1,209.6	103.6	1,313.1	7.9	52.5
April	1,216.2	104.5	1,320.8	7.9	52.7	1,206.4	103.8	1,310.2	7.9	52.3
May	1,202.3	107.0	1,309.3	8.2	52.2	1,203.0	103.0	1,306.0	7.9	52.1
June	1,186.3	97.8	1,284.1	7.6	51.1	1,200.3	101.7	1,302.0	7.8	51.9
July	1,208.3	100.6	1,309.0	7.7	52.1	1,199.3	100.5	1,299.7	7.7	51.7
August	1,191.6	100.8	1,292.4	7.8	51.4	1,199.9	99.2	1,299.1	7.6	51.6
September	1,213.5	95.6	1,309.2	7.3	52.0	1,201.7	97.8	1,299.5	7.5	51.6
October	1,188.6	99.5	1,288.1	7.7	51.1	1,204.0	96.5	1,300.5	7.4	51.6
November	1,219.6	93.0	1,312.6	7.1	52.0	1,207.2	95.4	1,302.6	7.3	51.6
PERSONS										
November—										
1993	2,603.2	309.5	2,912.8	10.6	61.8	2,596.2	306.3	2,902.5	10.6	61.6
1994	2,679.9	256.6	2,936.5	8.7	61.6	2,689.4	259.9	2,949.2	8.8	61.9
1995	2,807.3	241.9	3,049.2	7.9	63.3	2,797.0	231.1	3,028.1	7.6	62.8
1996—										
September	2,792.1	245.0	3,037.1	8.1	62.2	2,800.3	241.0	3,041.3	7.9	62.3
October	2,811.8	242.0	3,053.8	7.9	62.4	2,805.4	240.0	3,045.4	7.9	62.3
November	2,799.3	228.4	3,027.7	7.5	61.8	2,810.2	239.4	3,049.6	7.9	62.3
December	2,820.8	238.3	3,059.1	7.8	62.4	2,814.6	240.2	3,054.8	7.9	62.3
1997—										
January	2,831.7	238.5	3,070.3	7.8	62.6	2,817.3	242.1	3,059.4	7.9	62.3
February	2,801.9	258.8	3,060.7	8.5	62.3	2,817.7	244.7	3,062.4	8.0	62.4
March	2,813.4	240.8	3,054.2	7.9	62.1	2,814.7	246.9	3,061.7	8.1	62.3
April	2,826.2	248.2	3,074.5	8.1	62.5	2,809.5	247.6	3,057.1	8.1	62.1
May	2,799.0	254.3	3,053.3	8.3	62.0	2,802.6	246.9	3,049.5	8.1	61.9
June	2,788.1	229.7	3,017.8	7.6	61.2	2,796.7	245.4	3,042.1	8.1	61.7
July	2,804.2	255.7	3,060.0	8.4	62.0	2,793.9	244.2	3,038.1	8.0	61.5
August	2,767.9	241.2	3,009.1	8.0	60.9	2,794.4	243.4	3,037.8	8.0	61.5
September	2,817.4	239.3	3,056.7	7.8	61.8	2,798.1	242.5	3,040.6	8.0	61.4
October	2,781.8	245.6	3,027.4	8.1	61.1	2,803.6	241.6	3,045.2	7.9	61.5
November	2,839.0	238.5	3,077.5	7.7	62.0	2,811.2	240.8	3,052.0	7.9	61.5

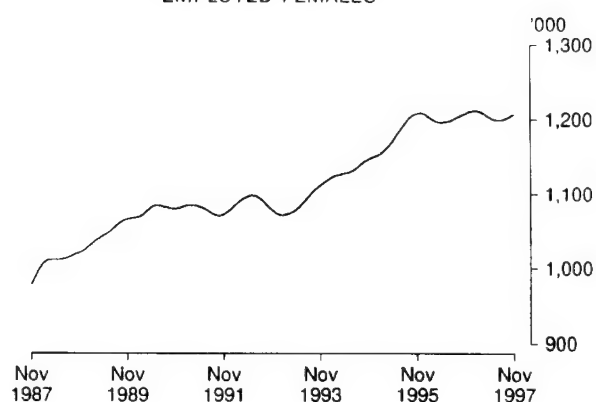
(a) See Explanatory Notes 29 and 30.

## TREND SERIES, NSW (a)

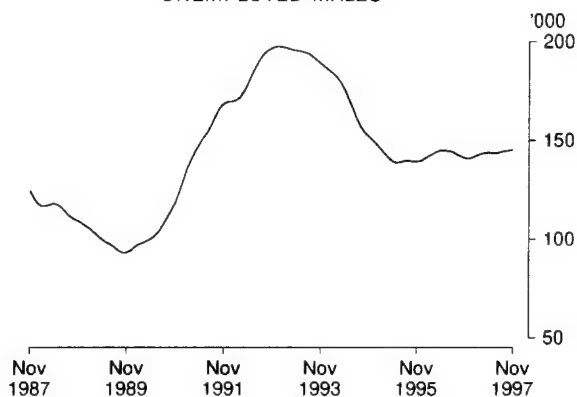
EMPLOYED MALES



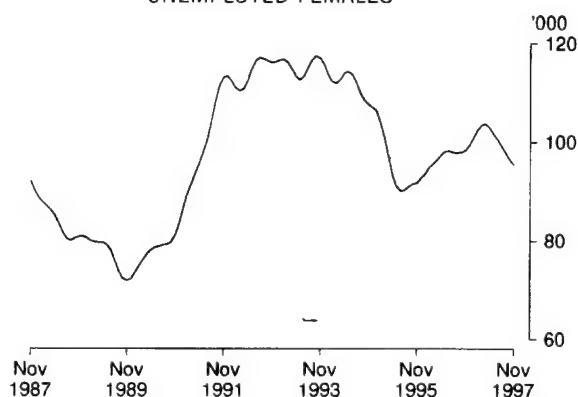
EMPLOYED FEMALES



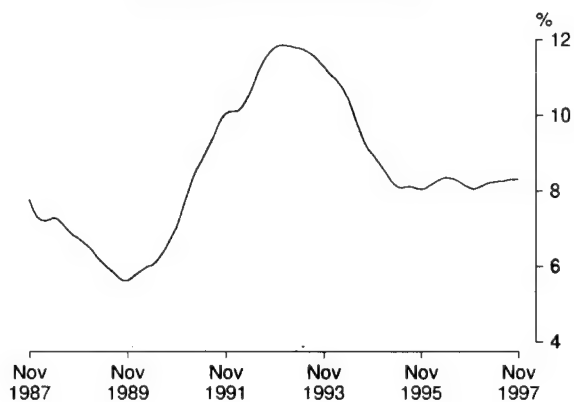
UNEMPLOYED MALES



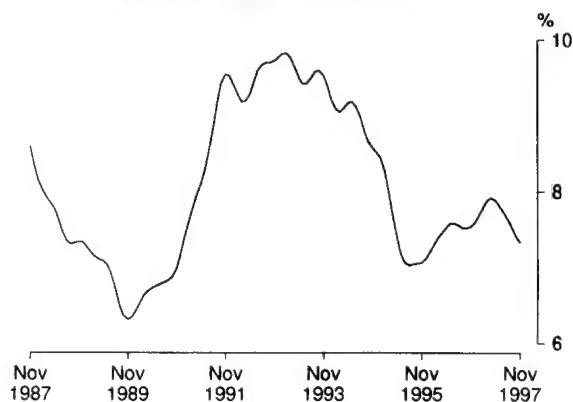
UNEMPLOYED FEMALES



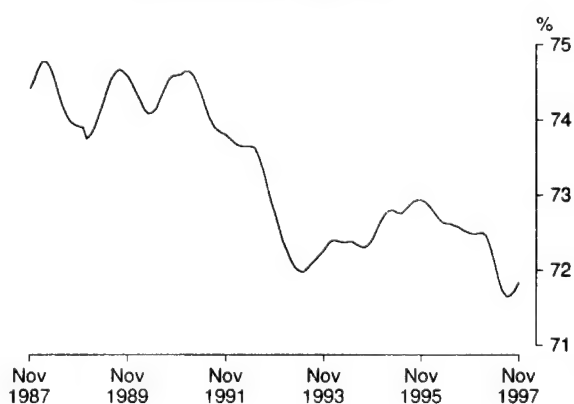
MALE UNEMPLOYMENT RATE



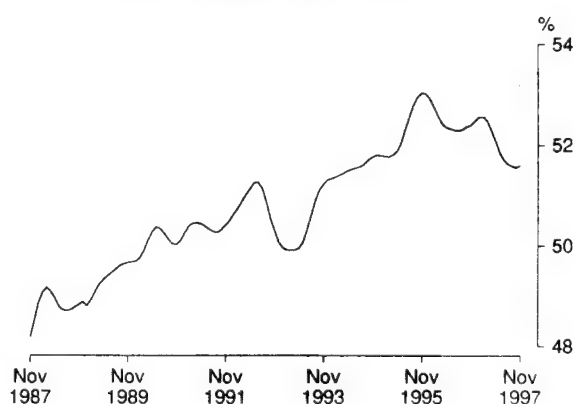
FEMALE UNEMPLOYMENT RATE



MALE PARTICIPATION RATE



FEMALE PARTICIPATION RATE



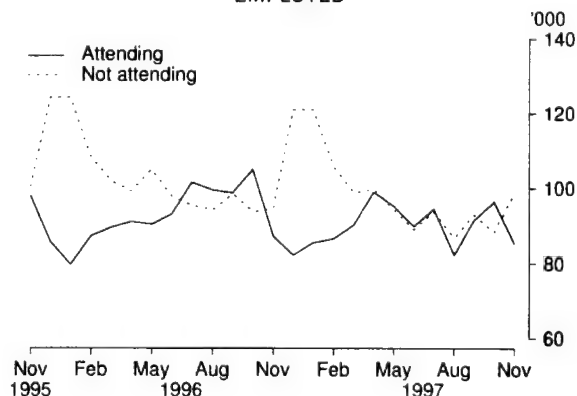
(a) Comparisons between these graphs should not be made, as their vertical axes are not similarly scaled.

TABLE 3. LABOUR FORCE STATUS: AGE, NSW, NOVEMBER 1997

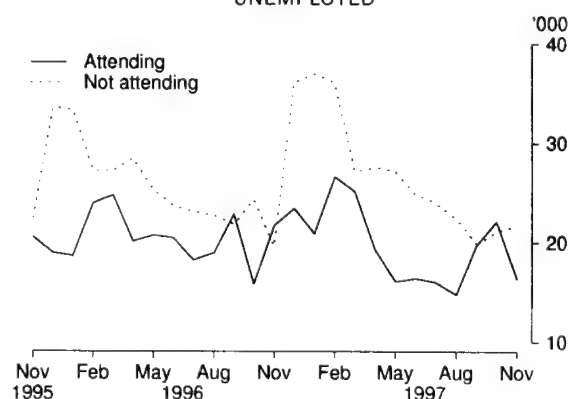
Age group (years)	Employed			Unemployed			Labour force ( '000)	Not in labour force ( '000)	Civilian population aged 15 and over ( '000)	Unemp- loyment rate (per cent)	Partici- pation rate (per cent)
	Full-time workers ( '000)	Part-time workers ( '000)	Total ( '000)	Looking for full- time work ( '000)	Looking for part- time work ( '000)	Total ( '000)					
MALES											
15-19	49.7	41.8	91.5	11.7	8.9	20.6	112.1	107.0	219.1	18.4	51.2
20-24	139.5	35.5	175.0	20.0	* 3.7	23.7	198.7	28.4	227.1	11.9	87.5
25-34	382.3	21.7	404.0	37.0	* 0.7	37.7	441.8	37.3	479.1	8.5	92.2
35-44	386.1	27.1	413.2	23.6	* 2.0	25.7	438.8	37.8	476.7	5.8	92.1
45-54	317.6	20.8	338.5	17.0	* 1.3	18.3	356.8	55.9	412.7	5.1	86.5
55-59	89.2	7.9	97.1	7.7	* 1.0	8.7	105.8	45.4	151.2	8.2	70.0
60-64	45.8	9.1	54.9	* 1.6	* 0.7	* 2.3	57.2	67.9	125.1	* 4.0	45.7
65 and over	21.1	20.0	41.0	* 0.4	* 0.7	* 1.1	42.1	302.2	344.2	* 2.5	12.2
Total	1,431.3	184.0	1,615.2	119.0	19.0	138.1	1,753.3	681.9	2,435.2	7.9	72.0
MARRIED FEMALES											
15-19	* 0.7	* 0.7	* 1.4	* 0.7	* 0.0	* 0.7	* 2.2	* 2.2	* 4.4	* 33.5	* 49.3
20-24	24.8	10.1	34.8	* 4.6	* 0.5	* 5.1	39.9	20.0	60.0	* 12.8	66.6
25-34	125.5	69.5	195.0	6.0	* 3.1	9.1	204.1	109.9	314.1	4.5	65.0
35-44	128.8	116.0	244.8	* 4.9	* 3.5	8.4	253.2	108.5	361.8	3.3	70.0
45-54	115.5	88.3	203.9	* 5.2	* 2.9	8.1	212.0	103.8	315.8	3.8	67.1
55-59	24.1	18.5	42.6	* 0.9	* 0.3	* 1.3	43.9	61.7	105.6	* 2.9	41.5
60-64	7.6	10.9	18.5	* 0.0	* 0.0	* 0.0	18.5	69.9	88.3	* 0.0	20.9
65 and over	* 1.6	7.1	8.6	* 0.0	* 0.0	* 0.0	8.6	181.7	190.3	* 0.0	4.5
Total	428.5	321.1	749.6	22.3	10.4	32.8	782.4	657.8	1,440.2	4.2	54.3
ALL FEMALES											
15-19	23.2	69.4	92.6	10.3	7.2	17.6	110.2	98.4	208.5	15.9	52.8
20-24	99.5	51.5	151.0	12.4	* 3.7	16.0	167.1	57.0	224.1	9.6	74.6
25-34	219.7	94.3	314.0	15.5	* 4.3	19.8	333.8	152.3	486.1	5.9	68.7
35-44	177.5	137.5	315.0	12.6	6.7	19.3	334.3	146.3	480.6	5.8	69.6
45-54	154.7	102.9	257.6	9.6	* 3.2	12.9	270.5	132.2	402.7	4.8	67.2
55-59	34.0	23.6	57.6	* 1.6	* 0.7	* 2.2	59.8	86.6	146.4	* 3.7	40.9
60-64	12.2	13.8	26.0	* 0.0	* 0.0	* 0.0	26.0	100.4	126.4	* 0.0	20.6
65 and over	* 4.7	9.9	14.5	* 0.0	* 0.0	* 0.0	14.5	435.4	449.9	* 0.0	3.2
Total	725.5	502.8	1,228.3	62.1	25.8	87.8	1,316.1	1,208.6	2,524.7	6.7	52.1
PERSONS											
15-19	72.9	111.3	184.1	22.0	16.1	38.1	222.3	205.4	427.6	17.2	52.0
20-24	239.0	87.0	326.0	32.4	7.4	39.8	365.7	85.4	451.1	10.9	81.1
25-34	602.0	116.0	718.0	52.5	* 5.0	57.6	775.6	189.6	965.2	7.4	80.4
35-44	563.6	164.6	728.2	36.3	8.7	45.0	773.1	184.2	957.3	5.8	80.8
45-54	472.3	123.7	596.1	26.6	* 4.6	31.2	627.2	188.1	815.3	5.0	76.9
55-59	123.2	31.5	154.7	9.3	* 1.7	10.9	165.6	132.0	297.6	6.6	55.7
60-64	58.0	22.9	80.9	* 1.6	* 0.7	* 2.3	83.2	168.3	251.5	* 2.7	33.1
65 and over	25.7	29.8	55.6	* 0.4	* 0.7	* 1.1	56.6	737.5	794.2	* 1.9	7.1
Total	2,156.7	686.8	2,843.5	181.1	44.8	225.9	3,069.4	1,890.5	4,959.9	7.4	61.9

PERSONS AGED 15-19 IN THE LABOUR FORCE, NSW:  
FULL-TIME ATTENDANCE AT SCHOOL OR A TERTIARY EDUCATIONAL INSTITUTION

## EMPLOYED



## UNEMPLOYED





**TABLE 4. LABOUR FORCE STATUS: PERSONS AGED 15-24 BY FULL-TIME EDUCATIONAL ATTENDANCE, NSW, NOVEMBER 1997**

Age (years)	Employed			Unemployed			Labour force ('000)	Not in labour force ('000)	Civilian population aged 15 and over ('000)	Unemployment rate (per cent)	Participation rate (per cent)
	Full-time workers ('000)	Part-time workers ('000)	Total ('000)	Looking for full-time work ('000)	Looking for part-time work ('000)	Total ('000)					
ATTENDING SCHOOL OR A TERTIARY EDUCATIONAL INSTITUTION FULL-TIME											
15-19	* 0.7	84.6	85.2	* 1.5	14.8	16.3	101.5	181.7	283.2	16.1	35.8
15	* 0.0	20.3	20.3	* 0.0	7.8	7.8	28.1	55.9	84.0	27.9	33.4
16	* 0.3	18.2	18.5	* 0.9	* 3.2	* 4.1	22.6	49.6	72.2	* 18.1	31.3
17	* 0.3	17.6	17.9	* 0.0	* 1.3	* 1.3	19.2	38.7	57.9	* 6.7	33.2
18	* 0.0	13.2	13.2	* 0.0	* 1.4	* 1.4	14.6	22.5	37.1	* 9.8	39.4
19	* 0.0	15.4	15.4	* 0.7	* 1.0	* 1.6	17.0	15.0	32.0	* 9.7	53.3
20-24	* 4.2	39.6	43.9	* 1.6	* 3.1	* 4.7	48.6	42.3	90.9	* 9.7	53.4
20	* 0.7	16.2	16.9	* 0.4	* 0.8	* 1.2	18.1	13.0	31.1	* 6.6	58.2
21	* 0.6	9.3	9.9	* 0.3	* 1.6	* 1.9	11.9	10.4	22.3	* 16.3	53.3
22	* 1.0	11.0	12.1	* 0.0	* 0.7	* 0.7	12.8	5.5	18.2	* 5.5	70.1
23	* 1.2	* 1.1	* 2.3	* 0.4	* 0.0	* 0.4	* 2.8	8.1	10.9	* 16.2	* 25.3
24	* 0.7	* 2.0	* 2.7	* 0.4	* 0.0	* 0.4	* 3.1	5.3	8.4	* 13.5	* 36.7
Total aged 15-24	* 4.9	124.2	129.1	* 3.1	17.9	21.0	150.1	224.0	374.1	14.0	40.1
NOT ATTENDING SCHOOL OR A TERTIARY EDUCATIONAL INSTITUTION FULL-TIME (a)											
15-19	72.2	26.7	98.9	20.5	* 1.4	21.8	120.7	23.7	144.4	18.1	83.6
15	* 0.0	* 0.4	* 0.4	* 0.8	* 0.0	* 0.8	* 1.2	* 1.3	* 2.5	* 69.7	* 49.2
16	5.5	* 3.3	8.8	* 2.9	* 0.0	* 2.9	11.7	* 2.6	14.4	* 24.7	81.6
17	12.8	* 4.3	17.2	* 4.3	* 0.4	* 4.6	21.8	5.7	27.4	* 21.3	79.4
18	22.7	8.8	31.5	7.1	* 0.3	7.4	38.8	8.6	47.5	19.0	81.8
19	31.1	9.9	41.1	5.4	* 0.7	6.1	47.2	5.5	52.7	12.9	89.6
20-24	234.8	47.3	282.1	30.8	* 4.2	35.1	317.2	43.1	360.2	11.1	88.0
20	36.4	7.7	44.1	* 4.6	* 0.5	* 5.1	49.2	* 5.1	54.4	* 10.4	90.5
21	41.1	7.9	49.0	6.4	* 1.6	8.0	57.0	7.4	64.4	14.1	88.5
22	46.5	10.2	56.7	6.4	* 0.0	6.4	63.1	8.2	71.3	10.2	88.5
23	53.2	11.3	64.5	8.7	* 0.8	9.5	73.9	8.3	82.2	12.8	89.9
24	57.6	10.2	67.8	* 4.7	* 1.3	6.0	73.8	14.0	87.8	8.2	84.1
Total aged 15-24	307.0	74.0	381.0	51.3	5.6	56.9	437.9	66.8	504.7	13.0	86.8
TOTAL											
15-19	72.9	111.3	184.1	22.0	16.1	38.1	222.3	205.4	427.6	17.2	52.0
15	* 0.0	20.6	20.6	* 0.8	7.8	8.7	29.3	57.2	86.5	29.6	33.9
16	5.8	21.5	27.3	* 3.8	* 3.2	7.0	34.3	52.3	86.6	20.4	39.6
17	13.2	21.9	35.1	* 4.3	* 1.7	5.9	41.0	44.4	85.4	14.4	48.0
18	22.7	21.9	44.6	7.1	* 1.8	8.8	53.4	31.1	84.5	16.5	63.2
19	31.1	25.3	56.5	6.1	* 1.7	7.7	64.2	20.5	84.7	12.0	75.8
20-24	239.0	87.0	326.0	32.4	7.4	39.8	365.7	85.4	451.1	10.9	81.1
20	37.1	23.9	61.0	* 5.0	* 1.3	6.3	67.3	18.2	85.5	9.4	78.8
21	41.7	17.2	58.9	6.7	* 3.2	10.0	68.9	17.8	86.7	14.5	79.5
22	47.5	21.3	68.8	6.4	* 0.7	7.1	75.9	13.7	89.6	9.4	84.7
23	54.4	12.4	66.8	9.1	* 0.8	9.9	76.7	16.4	93.1	12.9	82.3
24	58.3	12.2	70.5	* 5.1	* 1.3	6.5	76.9	19.3	96.2	8.4	79.9
Total aged 15-24	311.9	198.2	510.1	54.4	23.5	77.9	588.0	290.8	878.8	13.2	66.9

(a) Includes institutionalised persons.

TABLE 5. LABOUR FORCE STATUS: FAMILY STATUS, NSW, NOVEMBER 1997

Family status	Employed			Unemployed			Labour force	Not in labour force	Civilian population aged 15 and over ('000)	Unemployment rate (per cent)	Participation rate (per cent)
	Full-time workers ('000)	Part-time workers ('000)	Total ('000)	Looking for full-time work ('000)	Looking for part-time work ('000)	Total ('000)					
<i>Member of a family</i>	1,752.6	594.9	2,347.6	136.7	41.6	178.3	2,525.9	1,409.4	3,935.2	7.1	64.2
Husband	938.5	73.9	1,012.4	46.3	5.8	52.1	1,064.6	356.0	1,420.5	4.9	74.9
With children aged 0-14 present	499.8	28.6	528.4	28.3	* 1.7	30.0	558.4	36.1	594.5	5.4	93.9
Without children aged 0-14 present	438.7	45.3	484.0	18.0	* 4.1	22.1	506.1	319.9	826.0	4.4	61.3
With dependants present	576.5	32.6	609.1	31.0	* 2.7	33.7	642.8	48.0	690.7	5.2	93.1
Without dependants present	362.0	41.4	403.4	15.3	* 3.1	18.4	421.8	308.0	729.8	4.4	57.8
Wife	409.5	310.7	720.2	22.0	10.2	32.2	752.3	624.7	1,377.0	4.3	54.6
With children aged 0-14 present	149.0	180.5	329.5	12.8	7.3	20.1	349.6	225.0	574.6	5.7	60.8
Without children aged 0-14 present	260.5	130.2	390.6	9.2	* 2.9	12.1	402.8	399.7	802.4	3.0	50.2
With dependants present	188.5	205.3	393.8	14.1	8.6	22.7	416.5	252.7	669.2	5.4	62.2
Without dependants present	221.0	105.4	326.4	7.9	* 1.6	9.5	335.9	371.9	707.8	2.8	47.5
Not-married male family head	22.8	* 5.3	28.1	6.0	* 1.0	7.0	35.0	17.6	52.7	19.9	66.5
With children aged 0-14 present	7.4	* 2.0	9.4	* 3.0	* 1.0	* 4.0	13.4	* 3.8	17.2	* 29.9	78.1
Without children aged 0-14 present	15.4	* 3.3	18.7	* 3.0	* 0.0	* 3.0	21.6	13.9	35.5	* 13.8	60.9
With dependants present	12.6	* 3.2	15.8	* 4.0	* 1.0	* 5.0	20.8	6.6	27.4	* 24.1	76.0
Without dependants present	10.2	* 2.0	12.2	* 2.0	* 0.0	* 2.0	14.2	11.1	25.3	* 13.9	56.2
Not-married female family head	47.8	38.2	85.9	9.0	5.6	14.7	100.6	122.2	222.7	14.6	45.2
With children aged 0-14 present	22.2	30.8	53.0	* 5.2	5.6	10.9	63.8	70.5	134.3	17.0	47.5
Without children aged 0-14 present	25.6	7.4	33.0	* 3.8	* 0.0	* 3.8	36.7	51.7	88.4	* 10.3	41.6
With dependants present	32.9	33.4	66.3	7.1	5.6	12.8	79.0	75.8	154.8	16.2	51.0
Without dependants present	14.9	* 4.7	19.6	* 1.9	* 0.0	* 1.9	21.5	46.4	67.9	* 8.8	31.7
Full-time student aged 15-24 (a)	* 2.7	108.3	111.1	* 1.9	15.8	17.7	128.7	182.6	311.3	13.7	41.4
Other child of family head	307.3	52.6	360.0	44.8	* 3.3	48.1	408.0	62.7	470.7	11.8	86.7
Other relative of family head	24.1	5.9	30.0	6.6	* 0.0	6.6	36.6	43.7	80.2	18.0	45.6
<i>Not a member of a family</i>	335.2	73.3	408.5	39.7	* 2.1	41.8	450.3	330.7	781.0	9.3	57.7
Living alone	177.6	36.3	213.9	17.9	* 0.3	18.2	232.1	285.4	517.5	7.8	44.8
Not living alone	157.7	36.9	194.6	21.8	* 1.8	23.6	218.2	45.3	263.5	10.8	82.8
<i>Not family coded</i>	68.9	18.6	87.5	* 4.8	* 1.0	5.8	93.3	150.4	243.7	6.2	38.3
<b>Total</b>	<b>2,156.7</b>	<b>686.8</b>	<b>2,843.5</b>	<b>181.1</b>	<b>44.8</b>	<b>225.9</b>	<b>3,069.4</b>	<b>1,890.5</b>	<b>4,959.9</b>	<b>7.4</b>	<b>61.9</b>

(a) Excludes persons aged 20-24 attending school.

TABLE 6. EMPLOYED PERSONS: STATUS IN EMPLOYMENT (a), NSW ('000)

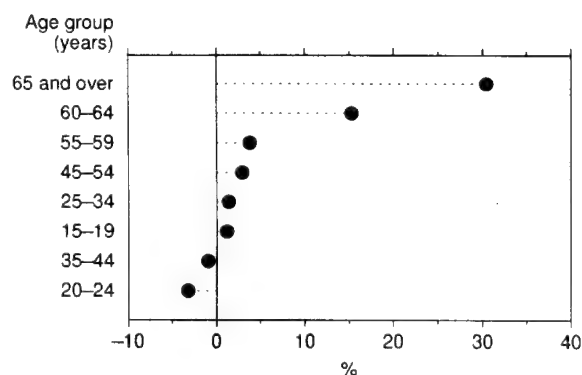
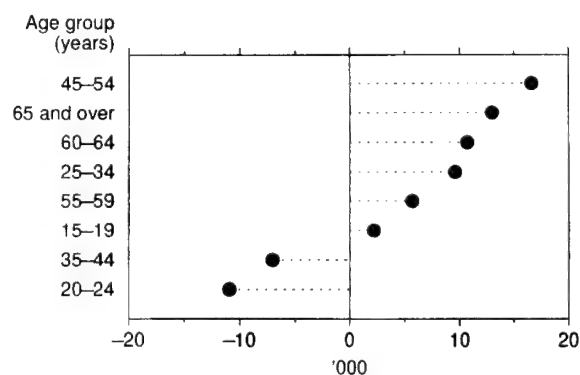
Status in employment	Males			Females			Persons		
	November 1996	August 1997	November 1997	November 1996	August 1997	November 1997	November 1996	August 1997	November 1997
Employees	1,326.6	1,290.2	1,340.7	1,094.9	1,044.4	1,083.7	2,421.5	2,334.6	2,424.4
Employers	75.4	86.3	77.9	34.4	45.0	43.4	109.7	131.3	121.3
Own account workers	175.8	179.5	188.9	74.4	80.2	86.3	250.1	259.7	275.2
<b>Total employed (b)</b>	<b>1,589.1</b>	<b>1,567.6</b>	<b>1,615.2</b>	<b>1,214.6</b>	<b>1,182.9</b>	<b>1,228.3</b>	<b>2,803.7</b>	<b>2,750.5</b>	<b>2,843.5</b>

(a) Status in Employment replaces the previous term Status of Worker. No definitional changes have been made — the only changes are to the classification titles. (b) Includes contributing family workers.

TABLE 7. EMPLOYED PERSONS: AGE, NSW  
(<sup>'000</sup>)

Month	Age group (years)								Total employed
	15-19	20-24	25-34	35-44	45-54	55-59	60-64	65 and over	
MALES									
1996—									
November	92.4	178.1	407.1	412.1	328.7	93.7	47.9	29.1	1,589.1
1997—									
August	83.3	160.3	406.2	419.0	326.1	94.3	48.4	30.0	1,567.6
September	92.0	165.8	415.8	418.3	336.3	94.3	54.1	36.6	1,613.3
October	92.5	168.5	411.8	410.7	331.9	93.2	51.0	35.8	1,595.3
November	91.5	175.0	404.0	413.2	338.5	97.1	54.9	41.0	1,615.2
MARRIED FEMALES									
1996—									
November	* 2.3	28.5	184.7	245.2	191.2	36.6	16.8	6.1	711.4
1997—									
August	* 0.3	29.1	192.6	240.2	179.6	42.1	19.6	6.8	710.2
September	* 1.4	31.2	197.2	250.6	193.5	44.5	17.3	7.7	743.4
October	* 1.7	33.5	196.6	246.8	191.9	42.5	14.6	6.8	734.5
November	* 1.4	34.8	195.0	244.8	203.9	42.6	18.5	8.6	749.6
ALL FEMALES									
1996—									
November	89.5	158.8	301.3	323.0	250.7	55.4	22.3	13.5	1,214.6
1997—									
August	85.8	143.6	307.9	313.2	241.9	56.0	26.1	8.5	1,182.9
September	92.7	149.8	311.4	326.5	252.6	57.6	25.0	11.1	1,226.8
October	92.5	147.0	307.7	313.6	246.7	54.8	21.8	10.2	1,194.1
November	92.6	151.0	314.0	315.0	257.6	57.6	26.0	14.5	1,228.3
PERSONS									
1996—									
November	181.9	336.9	708.4	735.1	579.5	149.1	70.2	42.6	2,803.7
1997—									
August	169.1	303.8	714.1	732.1	568.0	150.2	74.5	38.6	2,750.5
September	184.7	315.7	727.2	744.8	588.8	152.0	79.2	47.8	2,840.0
October	184.9	315.4	719.4	724.2	578.6	148.0	72.8	46.0	2,789.4
November	184.1	326.0	718.0	728.2	596.1	154.7	80.9	55.6	2,843.5

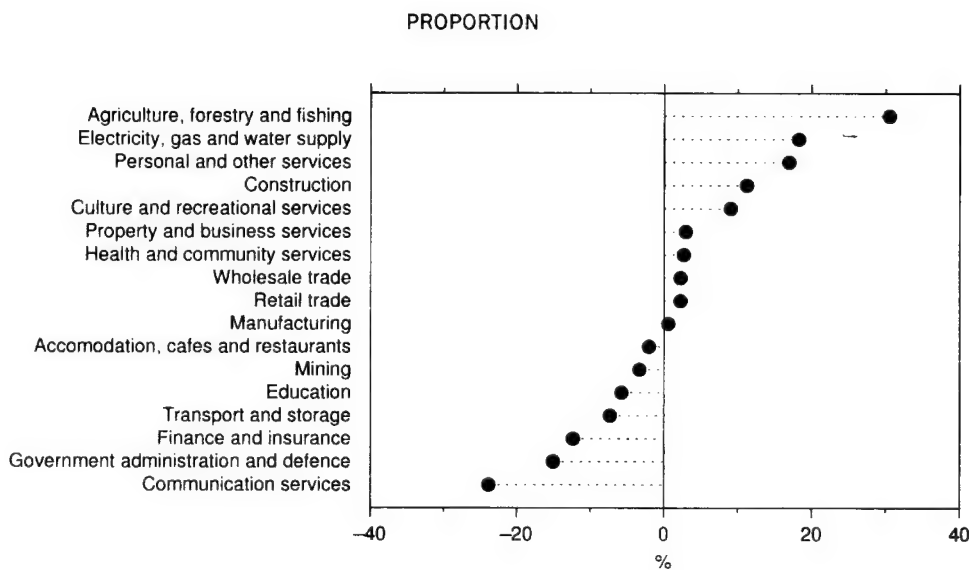
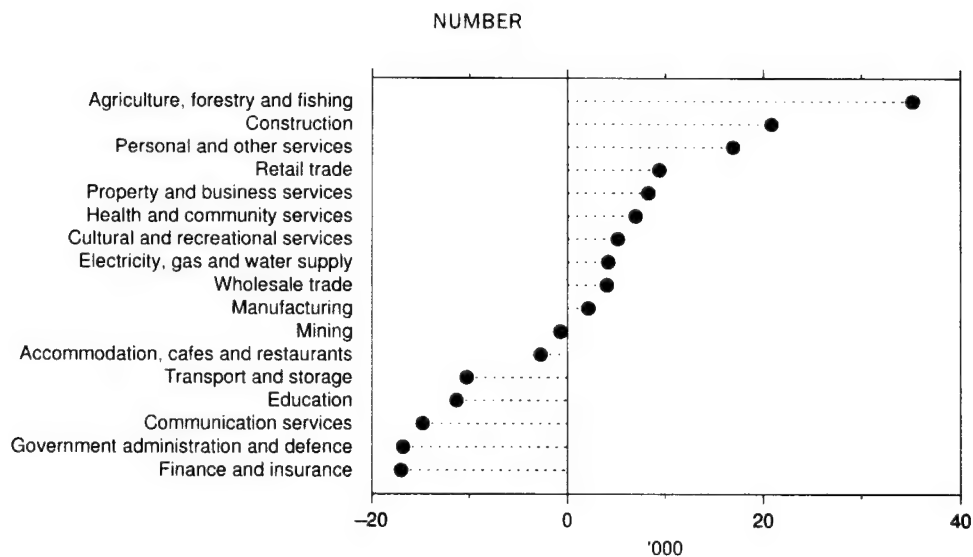
ANNUAL CHANGE IN EMPLOYMENT BY AGE, NSW, NOVEMBER 1996 TO NOVEMBER 1997



**TABLE 8. EMPLOYED PERSONS: INDUSTRY, NSW**  
(000)

<i>Industry division and subdivision</i>	<i>Males</i>		<i>Females</i>		<i>Persons</i>	
	<i>November 1996</i>	<i>November 1997</i>	<i>November 1996</i>	<i>November 1997</i>	<i>November 1996</i>	<i>November 1997</i>
<i>Agriculture, forestry and fishing</i>	80.5	107.8	34.5	42.4	115.0	150.2
Agriculture	70.2	94.4	32.6	39.8	102.8	134.1
Services to agriculture; hunting and trapping	* 4.7	6.1	* 1.2	* 0.6	6.0	6.8
Forestry and logging	* 2.4	* 2.0	* 0.3	* 1.0	* 2.7	* 3.1
Commercial fishing	* 3.2	* 5.3	* 0.3	* 0.9	* 3.5	6.2
<i>Mining</i>	20.0	19.0	* 0.9	* 1.1	20.9	20.2
Coal mining	15.9	12.6	* 0.0	* 0.0	15.9	12.6
Oil and gas extraction	* 0.0	* 0.6	* 0.0	* 0.0	* 0.0	* 0.6
Metal ore mining	* 1.8	* 3.2	* 0.0	* 0.0	* 1.8	* 3.2
Other mining	* 1.7	* 1.0	* 0.0	* 0.6	* 1.7	* 1.6
Services to mining	* 0.6	* 1.6	* 0.9	* 0.6	* 1.5	* 2.2
<i>Manufacturing</i>	282.9	277.3	106.7	114.5	389.6	391.8
Food, beverage and tobacco manufacturing	36.3	37.2	15.4	18.7	51.7	55.9
Textile, clothing, footwear and leather manufacturing	14.7	14.0	20.3	19.2	35.0	33.2
Wood and paper product manufacturing	16.3	17.9	* 3.9	* 3.8	20.2	21.7
Printing, publishing and recorded media	27.2	27.5	19.5	22.6	46.6	50.2
Petroleum, coal, chemical and associated product manufacturing	28.5	25.8	12.6	14.8	41.1	40.7
Non-metallic mineral product manufacturing	14.9	14.7	* 2.1	* 2.0	17.0	16.7
Metal product manufacturing	67.9	59.5	8.6	10.7	76.4	70.3
Machinery and equipment manufacturing	55.7	62.4	20.1	16.7	75.9	79.0
Other manufacturing	21.4	18.2	* 4.3	5.9	25.8	24.1
<i>Electricity, gas and water supply</i>	18.1	22.1	* 4.9	* 5.1	23.0	27.2
Electricity and gas supply	12.2	13.7	* 3.4	* 1.3	15.6	15.0
Water supply, sewerage and drainage services	5.9	8.5	* 1.5	* 3.8	7.4	12.2
<i>Construction</i>	161.7	183.0	23.3	22.8	185.0	205.8
General construction	47.6	61.7	9.2	6.7	56.8	68.4
Construction trade services	114.1	121.3	14.2	16.1	128.3	137.4
<i>Wholesale trade</i>	121.5	125.6	55.1	55.1	176.6	180.7
Basic material wholesaling	27.9	34.2	8.4	6.9	36.3	41.2
Machinery and motor vehicle wholesaling	48.8	56.6	20.8	23.9	69.6	80.5
Personal and household good wholesaling	44.8	34.7	25.9	24.3	70.7	59.1
<i>Retail trade</i>	201.5	198.0	203.7	216.5	405.1	414.5
Food retailing	72.0	71.7	75.7	88.3	147.7	160.0
Personal and household good retailing	64.9	58.8	107.9	116.6	172.8	175.3
Motor vehicle retailing and services	64.6	67.5	20.0	11.7	84.7	79.2
<i>Accommodation, cafes and restaurants</i>	64.2	67.0	73.6	68.2	137.8	135.1
<i>Transport and storage</i>	106.3	100.5	34.2	29.6	140.4	130.1
Road transport	53.9	58.4	10.6	7.9	64.5	66.4
Rail transport	17.8	13.5	* 2.7	* 1.9	20.5	15.3
Water transport	* 2.8	* 4.1	* 1.6	* 0.7	* 4.4	* 4.8
Air and Space transport	17.2	14.6	7.6	8.6	24.9	23.2
Other transport	* 0.3	* 0.7	* 0.3	* 0.4	* 0.6	* 1.1
Services to transport	9.2	5.6	9.1	9.2	18.3	14.8
Storage	* 5.0	* 3.6	* 2.2	* 1.0	7.2	* 4.6
<i>Communication services</i>	45.3	32.3	17.0	15.2	62.3	47.5
<i>Finance and insurance</i>	61.6	52.4	76.7	69.1	138.4	121.4
Finance	33.5	29.3	47.9	44.6	81.4	73.9
Insurance	13.5	11.0	16.7	13.0	30.2	24.0
Services to finance and insurance	14.7	12.0	12.1	11.5	26.8	23.5
<i>Property and business services</i>	148.0	157.1	129.8	129.1	277.9	286.2
Property services	20.8	15.8	17.3	13.1	38.1	28.8
Business services	127.3	141.3	112.5	116.1	239.8	257.4
<i>Government administration and defence</i>	70.7	55.7	41.3	39.4	112.0	95.2
Government administration	65.2	52.2	40.4	38.2	105.6	90.4
Defence	5.4	* 3.5	* 0.9	* 1.2	6.4	* 4.7
<i>Education</i>	67.8	59.0	131.9	129.3	199.6	188.3
<i>Health and community services</i>	60.7	66.6	202.6	203.7	263.3	270.3
Health services	51.6	49.7	156.3	153.9	207.9	203.6
Community services	9.0	16.9	46.3	49.8	55.3	66.7
<i>Cultural and recreational services</i>	27.0	30.4	30.2	32.0	57.2	62.4
Motion picture, radio and television services	7.7	10.1	6.9	6.3	14.6	16.4
Libraries, museums and the arts	7.6	7.2	8.9	10.5	16.6	17.8
Sport and recreation	11.7	13.0	14.4	15.2	26.1	28.2
<i>Personal and other services</i>	51.4	61.5	48.2	55.0	99.6	116.5
Personal services	18.7	21.2	29.2	32.9	47.9	54.1
Other services	31.2	40.0	15.3	19.9	46.5	59.9
Private households employing staff	* 1.6	* 0.3	* 3.7	* 2.1	* 5.2	* 2.4
<b>Total employed</b>	<b>1,589.1</b>	<b>1,615.2</b>	<b>1,214.6</b>	<b>1,228.3</b>	<b>2,803.7</b>	<b>2,843.5</b>

ANNUAL CHANGE IN EMPLOYMENT BY INDUSTRY DIVISION, NSW,  
NOVEMBER 1996 TO NOVEMBER 1997

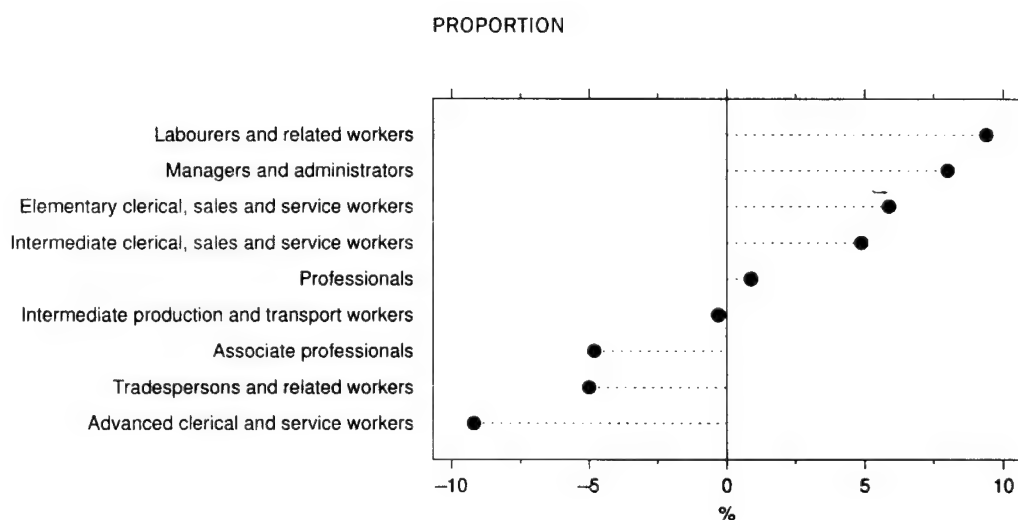
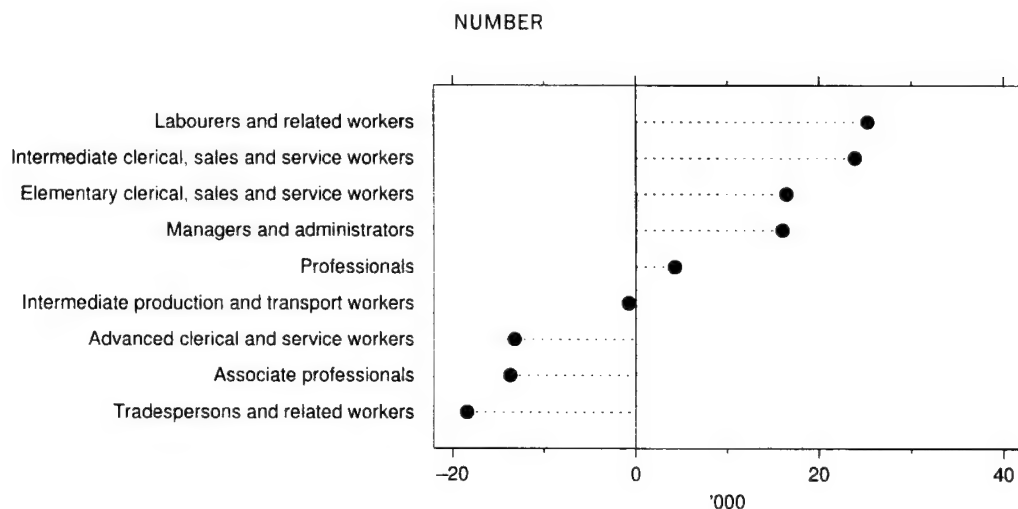


**TABLE 9. EMPLOYED PERSONS: OCCUPATION (a), NSW**  
(<sup>'000</sup>)

Major and sub-major occupation group	Males		Females		Persons	
	November 1996	November 1997	November 1996	November 1997	November 1996	November 1997
<i>Managers and administrators</i>	157.8	164.5	42.1	51.4	199.9	215.9
Generalist managers	45.7	34.2	* 3.9	* 3.4	49.6	37.5
Specialist managers	67.5	65.4	19.5	22.7	87.0	88.1
Farmers and farm managers	44.6	64.9	18.6	25.3	63.2	90.2
<i>Professionals</i>	246.7	259.0	258.5	250.5	505.2	509.5
Science, building and engineering professionals	42.7	49.9	10.4	8.8	53.2	58.7
Business and information professionals	91.8	86.7	45.1	52.3	136.9	138.9
Health professionals	24.2	27.2	72.5	69.3	96.7	96.6
Education professionals	45.0	41.9	87.2	81.3	132.2	123.2
Social, arts and miscellaneous professionals	43.0	53.3	43.3	38.8	86.3	92.1
<i>Associate professionals</i>	189.4	175.5	96.2	96.4	285.6	271.9
Science, engineering and related associate professionals	34.5	35.4	7.9	7.6	42.4	43.1
Business and administrative associate professionals	48.5	33.2	34.1	23.9	82.5	57.0
Managing supervisors (sales and service)	79.7	79.9	41.0	44.5	120.6	124.4
Health and welfare associate professionals	5.6	8.0	9.6	12.7	15.2	20.8
Other associate professionals	21.2	18.9	* 3.6	7.7	24.9	26.6
<i>Tradespersons and related workers</i>	338.0	323.1	32.9	29.5	370.9	352.5
Mechanical and fabrication engineering tradespersons	62.5	60.8	* 0.3	* 0.0	62.8	60.8
Automotive tradespersons	46.9	43.5	* 0.0	* 0.3	46.9	43.8
Electrical and electronics tradespersons	60.3	59.3	* 1.8	* 2.0	62.1	61.3
Construction tradespersons	84.6	76.3	* 0.9	* 0.9	85.5	77.3
Food tradespersons	20.6	23.3	* 4.8	5.5	25.4	28.8
Skilled agricultural and horticultural workers	18.9	17.6	* 1.6	* 2.0	20.5	19.6
Other tradespersons and related workers	44.3	42.1	23.5	18.8	67.8	60.9
<i>Advanced clerical and service workers</i>	12.0	14.3	130.8	115.3	142.8	129.6
Secretaries and personal assistants	* 1.8	* 2.0	94.6	80.9	96.4	82.9
Other advanced clerical and service workers	10.3	12.3	36.2	34.3	46.5	46.7
<i>Intermediate clerical, sales and service workers</i>	141.5	148.6	344.8	361.7	486.3	510.2
Intermediate clerical workers	78.5	78.4	217.3	233.0	295.8	311.4
Intermediate sales and related workers	30.5	30.8	14.1	16.3	44.6	47.2
Intermediate service workers	32.4	39.3	113.4	112.4	145.8	151.7
<i>Intermediate production and transport workers</i>	233.3	233.8	34.6	33.4	267.9	267.2
Intermediate plant operators	52.8	52.9	* 3.2	* 1.7	56.0	54.6
Intermediate machine operators	22.2	17.5	11.8	16.0	33.9	33.6
Road and rail transport drivers	92.5	91.3	* 4.8	* 2.6	97.4	93.9
Other intermediate production and transport workers	65.8	72.1	14.8	13.0	80.6	85.1
<i>Elementary clerical, sales and service workers</i>	100.9	101.6	176.1	191.8	277.0	293.4
Elementary clerks	11.3	12.6	14.9	21.9	26.2	34.5
Elementary sales workers	67.8	65.2	148.3	161.5	216.1	226.7
Elementary service workers	21.8	23.8	12.9	8.4	34.6	32.2
<i>Labourers and related workers</i>	169.4	195.0	98.6	98.4	268.0	293.3
Cleaners	26.6	23.1	35.1	40.6	61.8	63.7
Factory labourers	49.8	58.7	25.0	25.3	74.8	84.0
Other labourers and related workers	93.0	113.2	38.4	32.4	131.5	145.6
<b>Total employed</b>	<b>1,589.1</b>	<b>1,615.2</b>	<b>1,214.6</b>	<b>1,228.3</b>	<b>2,803.7</b>	<b>2,843.5</b>

(a) Occupation data are now classified according to the Second Edition of the Australian Standard Classification of Occupations (ASCO). See the Explanatory Notes for more details.

ANNUAL CHANGE IN EMPLOYMENT BY OCCUPATION GROUP, NSW,  
NOVEMBER 1996 TO NOVEMBER 1997



**TABLE 10. UNEMPLOYED PERSONS: AGE, NSW**  
(<sup>'000</sup>)

Month	Age group (years)						Total unemployed
	15-19	20-24	25-34	35-44	45-54	55 and over	
MALES							
1996—							
November	23.9	22.0	30.3	21.4	23.0	13.4	134.0
1997—							
August	20.2	24.3	34.8	20.1	22.5	13.2	135.2
September	25.7	29.6	35.1	25.0	20.0	12.2	147.6
October	22.5	26.6	32.0	26.0	20.5	11.3	138.9
November	20.6	23.7	37.7	25.7	18.3	12.0	138.1
FEMALES							
1996—							
November	17.4	12.0	21.3	16.2	13.5	* 1.8	82.2
1997—							
August	16.9	16.3	20.7	20.4	15.1	* 3.2	92.7
September	13.8	15.8	23.2	23.1	14.5	5.7	96.1
October	20.7	15.4	24.6	17.9	13.5	* 5.2	97.3
November	17.6	16.0	19.8	19.3	12.9	* 2.2	87.8
PERSONS							
1996—							
November	41.3	34.0	51.6	37.6	36.5	15.3	216.2
1997—							
August	37.2	40.6	55.6	40.5	37.7	16.5	228.0
September	39.6	45.5	58.3	48.1	34.5	17.9	243.7
October	43.2	42.0	56.6	43.9	34.0	16.5	236.2
November	38.1	39.8	57.6	45.0	31.2	14.3	225.9

**TABLE 11. UNEMPLOYED PERSONS: UNEMPLOYMENT RATE BY AGE, NSW**  
(per cent)

Month	Age group (years)						Total unemployment rate
	15-19	20-24	25-34	35-44	45-54	55 and over	
MALES							
1996—							
November	20.5	11.0	6.9	4.9	6.5	7.3	7.8
1997—							
August	19.5	13.2	7.9	4.6	6.5	7.1	7.9
September	21.8	15.2	7.8	5.6	5.6	6.2	8.4
October	19.6	13.6	7.2	6.0	5.8	5.9	8.0
November	18.4	11.9	8.5	5.8	5.1	5.9	7.9
FEMALES							
1996—							
November	16.3	7.0	6.6	4.8	5.1	* 2.0	6.3
1997—							
August	16.5	10.2	6.3	6.1	5.9	* 3.5	7.3
September	13.0	9.5	6.9	6.6	5.4	5.7	7.3
October	18.3	9.5	7.4	5.4	5.2	5.7	7.5
November	15.9	9.6	5.9	5.8	4.8	* 2.2	6.7
PERSONS							
1996—							
November	18.5	9.2	6.8	4.9	5.9	5.5	7.2
1997—							
August	18.0	11.8	7.2	5.2	6.2	5.9	7.7
September	17.6	12.6	7.4	6.1	5.5	6.0	7.9
October	18.9	11.8	7.3	5.7	5.6	5.8	7.8
November	17.2	10.9	7.4	5.8	5.0	4.7	7.4



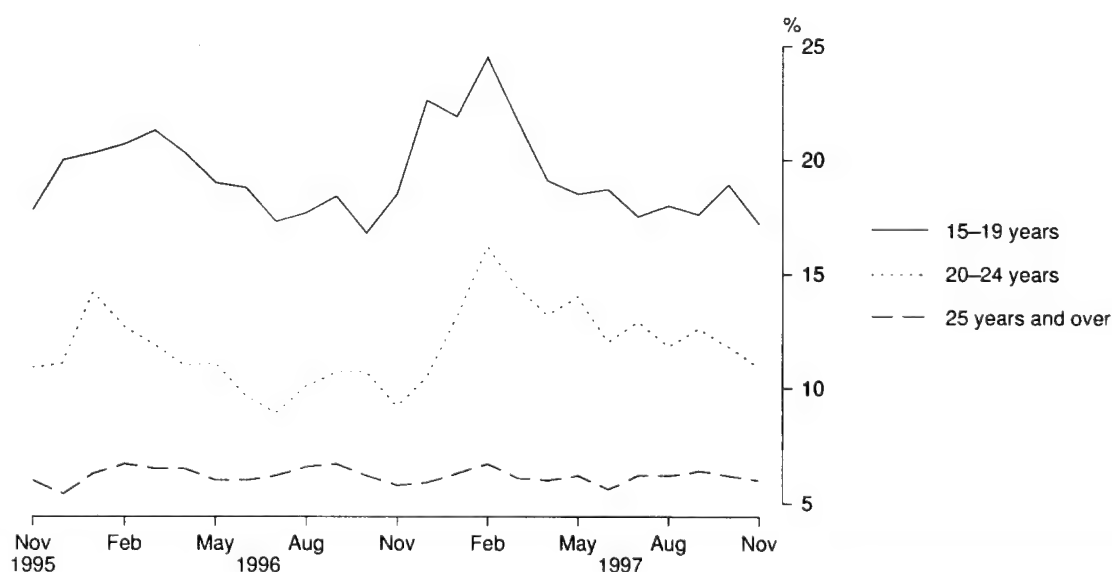
**TABLE 12. UNEMPLOYED PERSONS: INDUSTRY (a) AND OCCUPATION (b) OF LAST FULL-TIME JOB, NSW, NOVEMBER 1997 ('000)**

	Males	Females	Persons
<i>Had worked for two weeks or more in a full-time job in the last two years</i>	74.0	30.6	104.5
Industry division—			
Agriculture, forestry and fishing	6.3	* 1.7	8.0
Manufacturing	13.5	* 5.2	18.8
Construction	9.7	* 0.9	10.6
Wholesale trade	* 3.9	* 0.9	* 4.8
Retail trade	14.2	* 4.2	18.5
Accommodation, cafes and restaurants	* 3.6	* 3.7	7.2
Transport and storage	* 4.4	* 0.3	* 4.8
Finance and insurance	* 1.3	* 1.5	* 2.8
Property and business services	6.9	* 2.4	9.3
Education	* 1.7	* 0.3	* 2.0
Health and community services	* 1.4	* 4.8	6.2
Cultural and recreational services	* 1.1	* 1.0	* 2.1
Personal and other services	* 0.8	* 1.0	* 1.8
Other industries (c)	* 5.2	* 2.5	7.7
Major occupation group—			
Managers and administrators	* 1.6	* 0.3	* 2.0
Professionals	* 2.6	* 4.2	6.8
Associate professionals	* 4.0	* 1.2	* 5.3
Tradespersons and related workers	15.2	* 0.6	15.8
Advanced clerical and service workers	* 0.3	* 1.3	* 1.7
Intermediate clerical, sales and service workers	6.8	10.1	16.9
Intermediate production and transport workers	14.9	* 1.7	16.6
Elementary clerical, sales and service workers	6.0	5.9	11.9
Labourers and related workers	22.4	* 5.1	27.5
<i>Had not worked full-time for two weeks or more in the last two years</i>	62.3	56.2	118.5
Looking for first job	13.3	12.6	25.9
Had worked at some time in the past	49.0	43.6	92.6
<i>Stood down</i>	* 1.8	* 1.0	* 2.8
<b>Total unemployed</b>	<b>138.1</b>	<b>87.8</b>	<b>225.9</b>

(a) Industry data are now classified according to the Australian and New Zealand Standard Industrial Classification. See the Explanatory Notes for more details.

(b) Occupation data are now classified according to the Second Edition of the Australian Standard Classification of Occupations (ASCO). See the Explanatory Notes for more details. (c) Comprises Mining; Electricity, gas and water supply; Communication services; and Government administration and defence.

**UNEMPLOYMENT RATE BY AGE, NSW**



**TABLE 13. UNEMPLOYED PERSONS: DURATION OF UNEMPLOYMENT, NSW**

Duration of unemployment (weeks)	Males		Females		Persons				
	November 1996	November 1997	November 1996	November 1997	November 1996	August 1997	September 1997	October 1997	November 1997
— '000 —									
Under 52	86.0	82.5	63.9	62.3	149.9	151.9	155.4	154.5	144.8
Under 2	8.8	7.4	7.2	6.3	16.0	11.2	14.2	14.8	13.7
2 and under 4	8.6	13.3	9.8	8.1	18.4	20.3	22.6	19.4	21.4
4 and under 8	10.7	7.8	10.7	11.5	21.4	25.6	23.5	20.3	19.3
8 and under 13	12.7	13.2	8.6	6.7	21.3	17.6	25.9	22.3	20.0
13 and under 26	16.6	15.7	10.9	12.7	27.6	25.5	26.0	31.6	28.4
26 and under 39	18.8	10.7	9.4	9.2	28.2	41.2	27.9	29.1	19.9
39 and under 52	9.8	14.4	7.2	7.7	17.0	10.5	15.3	16.9	22.1
52 and over	47.9	55.5	18.4	25.6	66.3	76.0	88.4	81.8	81.1
52 and under 104	18.9	24.9	7.9	13.7	26.8	30.6	34.3	32.0	38.6
104 and over	29.0	30.6	10.5	11.9	39.5	45.5	54.1	49.8	42.5
<b>Total unemployed</b>	<b>134.0</b>	<b>138.1</b>	<b>82.2</b>	<b>87.8</b>	<b>216.2</b>	<b>228.0</b>	<b>243.7</b>	<b>236.2</b>	<b>225.9</b>
— Weeks —									
Average	63.6	71.7	49.3	42.2	58.1	62.1	62.7	60.7	60.2
Median	27	39	17	21	26	26	27	26	28

**TABLE 14. UNEMPLOYED PERSONS: UNEMPLOYMENT RATE BY BIRTHPLACE AND PERIOD OF ARRIVAL, NSW (per cent)**

	November 1996	August 1997	September 1997	October 1997	November 1997
Birthplace—					
Australia	6.8	7.1	7.7	7.5	6.9
Outside Australia	8.1	9.1	8.6	8.6	8.5
Main English speaking countries	5.8	6.7	6.0	6.9	5.1
Other countries	9.3	10.3	9.7	9.3	10.2
Period of arrival of overseas born—					
Before 1961	* 4.3	6.4	6.3	5.3	* 3.6
1961–1970	7.9	7.5	5.8	6.2	7.0
1971–1980	5.1	8.5	7.0	7.7	9.4
1981–1985	7.4	7.8	9.4	9.5	7.9
1986–1990	9.9	8.4	7.4	8.2	8.5
1991 to survey date	14.6	15.4	15.2	13.7	12.6
<b>Total unemployment rate</b>	<b>7.2</b>	<b>7.7</b>	<b>7.9</b>	<b>7.8</b>	<b>7.4</b>

**UNEMPLOYMENT RATE BY PERIOD OF ARRIVAL OF OVERSEAS BORN, NSW, NOVEMBER 1997**

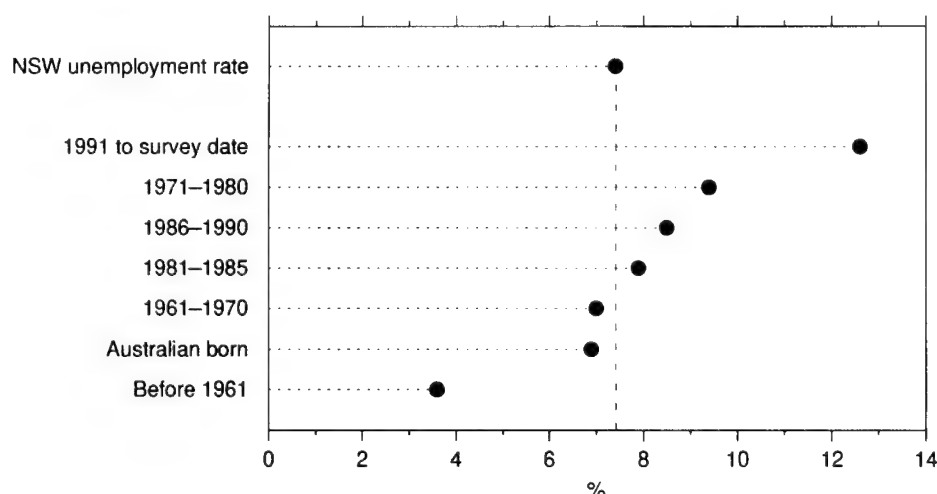


TABLE 15. UNEMPLOYED PERSONS: DURATION OF UNEMPLOYMENT BY AGE, NSW

Month	Duration of unemployment (weeks)					Total unemployed persons ('000)	Average duration (weeks)	Median duration (weeks)
	Under 13 ('000)	13 and under 26 ('000)	26 and under 39 ('000)	39 and under 104 ('000)	104 and over ('000)			
15-19								
1996—								
November	21.7	* 5.2	* 4.2	8.4	* 1.8	41.3	22.8	10
1997—								
September	20.8	5.4	* 4.9	5.9	* 2.7	39.6	24.5	10
October	19.8	6.7	5.7	9.7	* 1.3	43.2	24.0	13
November	17.2	* 4.5	* 4.4	9.8	* 2.3	38.1	28.6	16
20-24								
1996—								
November	13.1	* 4.3	6.7	5.8	* 4.0	34.0	36.7	21
1997—								
September	14.7	6.6	5.5	9.0	9.7	45.5	59.2	26
October	12.9	6.7	5.6	8.7	8.1	42.0	56.5	26
November	11.9	* 5.2	* 4.3	11.9	6.5	39.8	49.1	30
25-34								
1996—								
November	18.9	8.2	7.5	10.0	7.0	51.6	39.0	19
1997—								
September	20.9	6.9	7.8	11.5	11.2	58.3	58.2	26
October	17.3	7.7	7.6	12.1	11.8	56.6	63.3	30
November	20.2	8.9	* 3.8	12.4	12.3	57.6	62.9	23
35-44								
1996—								
November	11.5	* 3.3	* 4.5	10.6	7.6	37.6	82.9	35
1997—								
September	16.9	* 3.8	* 4.5	11.4	11.5	48.1	64.0	36
October	12.4	* 5.1	5.6	10.1	10.8	43.9	61.2	34
November	13.3	5.3	* 3.0	15.2	8.2	45.0	62.2	40
45 AND OVER								
1996—								
November	11.9	6.5	* 5.2	9.0	19.2	51.8	101.4	49
1997—								
September	13.0	* 3.4	* 5.3	11.7	19.1	52.4	98.6	52
October	14.4	5.4	* 4.6	8.3	17.8	50.5	92.4	45
November	11.7	* 4.5	* 4.4	11.5	13.3	45.5	91.0	43
TOTAL								
1996—								
November	77.1	27.6	28.2	43.8	39.5	216.2	58.1	26
1997—								
September	86.2	26.0	27.9	49.5	54.1	243.7	62.7	27
October	76.8	31.6	29.1	48.9	49.8	236.2	60.7	26
November	74.4	28.4	19.9	60.8	42.5	225.9	60.2	28

TABLE 16. LABOUR FORCE STATUS, SYDNEY (MSR)

Month	Employed		Total ( '000)	Unemployed		Labour force ( '000)	Not in labour force ( '000)	Civilian population aged 15 and over ( '000)	Unemp- loyment rate (per cent)	Partici- pation rate (per cent)	
	Full-time workers ( '000)	Part-time workers ( '000)		Looking for full- time work ( '000)	Looking for part- time work ( '000)						
MALES											
November—											
1993	868.2	95.8	964.0	95.7	9.5	105.2	1,069.3	386.3	1,455.5	9.8	73.5
1994	888.4	103.8	992.1	78.1	8.3	86.5	1,078.6	390.2	1,468.8	8.0	73.4
1995	907.3	116.5	1,023.8	69.7	7.9	77.7	1,101.5	377.2	1,478.6	7.0	74.5
1996—											
September	923.7	113.6	1,037.2	68.9	11.2	80.1	1,117.3	372.9	1,490.3	7.2	75.0
October	928.5	108.7	1,037.2	62.7	11.6	74.3	1,111.6	380.1	1,491.7	6.7	74.5
November	918.6	106.2	1,024.7	60.0	9.3	69.4	1,094.1	399.0	1,493.1	6.3	73.3
1997—											
August	902.5	107.7	1,010.2	61.8	9.6	71.4	1,081.6	423.2	1,504.8	6.6	71.9
September	937.6	106.8	1,044.3	56.3	14.5	70.8	1,115.2	391.3	1,506.5	6.4	74.0
October	935.4	96.8	1,032.2	51.7	11.2	62.9	1,095.1	413.1	1,508.2	5.7	72.6
November	935.6	110.4	1,046.0	60.0	11.3	71.3	1,117.4	392.5	1,509.9	6.4	74.0
MARRIED FEMALES											
November—											
1993	249.8	176.4	426.2	23.0	12.0	35.0	461.2	356.4	817.6	7.6	56.4
1994	250.4	183.1	433.4	13.3	9.9	23.2	456.7	382.4	839.1	5.1	54.4
1995	273.9	181.6	455.5	15.2	10.6	25.8	481.3	367.6	848.9	5.4	56.7
1996—											
September	274.7	183.9	458.6	12.9	11.0	23.9	482.5	376.4	858.9	4.9	56.2
October	272.7	181.3	454.0	11.1	8.2	19.3	473.3	380.9	854.2	4.1	55.4
November	267.4	183.5	451.0	8.5	10.0	18.5	469.5	375.7	845.2	3.9	55.5
1997—											
August	270.3	186.6	456.9	10.7	8.4	19.1	476.0	389.8	865.9	4.0	55.0
September	289.8	186.9	476.7	14.1	9.9	24.0	500.7	373.2	873.9	4.8	57.3
October	291.9	178.9	470.8	11.8	9.4	21.2	492.0	389.8	881.8	4.3	55.8
November	290.6	187.7	478.3	11.4	6.2	17.6	495.8	385.9	881.7	3.5	56.2
ALL FEMALES											
November—											
1993	487.3	260.7	748.0	48.6	23.2	71.8	819.8	698.8	1,518.7	8.8	54.0
1994	480.0	286.3	766.3	42.1	18.9	60.9	827.2	705.3	1,532.5	7.4	54.0
1995	512.0	285.6	797.6	34.1	19.0	53.1	850.7	690.4	1,541.1	6.2	55.2
1996—											
September	511.4	289.9	801.3	33.7	22.2	55.9	857.2	697.8	1,555.0	6.5	55.1
October	514.0	286.4	800.4	30.9	18.9	49.8	850.2	706.5	1,556.7	5.9	54.6
November	508.2	290.3	798.5	25.4	21.1	46.5	845.0	713.4	1,558.4	5.5	54.2
1997—											
August	495.4	291.6	787.0	33.2	17.1	50.2	837.2	733.7	1,570.9	6.0	53.3
September	522.0	291.5	813.6	31.8	20.7	52.6	866.1	706.5	1,572.6	6.1	55.1
October	517.7	273.7	791.4	32.9	19.0	51.9	843.3	730.8	1,574.1	6.2	53.6
November	515.3	301.4	816.7	32.0	14.4	46.5	863.1	712.6	1,575.7	5.4	54.8
PERSONS											
November—											
1993	1,355.5	356.6	1,712.0	144.3	32.7	177.0	1,889.1	1,085.1	2,974.2	9.4	63.5
1994	1,368.4	390.0	1,758.4	120.2	27.2	147.4	1,905.8	1,095.5	3,001.3	7.7	63.5
1995	1,419.3	402.1	1,821.4	103.8	26.9	130.8	1,952.2	1,067.6	3,019.7	6.7	64.6
1996—											
September	1,435.0	403.5	1,838.5	102.6	33.4	136.0	1,974.6	1,070.7	3,045.3	6.9	64.8
October	1,442.5	395.1	1,837.6	93.7	30.5	124.2	1,961.8	1,086.6	3,048.4	6.3	64.4
November	1,426.8	396.4	1,823.2	85.4	30.4	115.9	1,939.1	1,112.4	3,051.6	6.0	63.5
1997—											
August	1,397.9	399.3	1,797.1	95.0	26.7	121.6	1,918.8	1,156.9	3,075.7	6.3	62.4
September	1,459.6	398.3	1,857.9	88.2	35.2	123.4	1,981.3	1,097.7	3,079.1	6.2	64.3
October	1,453.1	370.5	1,823.6	84.6	30.2	114.8	1,938.4	1,143.9	3,082.3	5.9	62.9
November	1,450.9	411.8	1,862.7	92.0	25.8	117.8	1,980.5	1,105.1	3,085.6	5.9	64.2

TABLE 17. LABOUR FORCE STATUS, BALANCE OF NSW (MSR)

Month	Employed		Unemployed			Labour force ('000)	Not in labour force ('000)	Civilian population aged 15 and over ('000)	Unemployment rate (per cent)	Participation rate (per cent)	
	Full-time workers ('000)	Part-time workers ('000)	Total ('000)	Looking for full-time work ('000)	Looking for part-time work ('000)						
MALES											
November—											
1993	469.4	53.0	522.4	69.8	* 1.7	71.5	593.9	266.3	860.2	12.0	69.0
1994	480.9	61.1	542.0	50.9	6.3	57.1	599.1	271.1	870.2	9.5	68.9
1995	501.2	66.4	567.6	51.5	5.4	56.9	624.5	265.6	890.0	9.1	70.2
1996—											
September	502.2	66.4	568.6	56.6	8.4	65.0	633.6	275.2	908.8	10.3	69.7
October	494.0	72.9	566.8	53.7	6.8	60.5	627.4	282.8	910.1	9.6	68.9
November	498.1	66.3	564.4	57.6	7.0	64.6	629.0	282.4	911.4	10.3	69.0
1997—											
August	487.8	69.6	557.4	58.6	5.3	63.8	621.2	300.5	921.7	10.3	67.4
September	496.7	72.2	568.9	69.8	7.0	76.8	645.7	277.2	922.9	11.9	70.0
October	492.6	70.5	563.1	69.6	6.4	76.0	639.1	285.0	924.1	11.9	69.2
November	495.7	73.5	569.2	59.0	7.7	66.7	635.9	289.4	925.3	10.5	68.7
MARRIED FEMALES											
November—											
1993	127.3	123.1	250.4	12.6	* 4.4	17.0	267.4	258.9	526.3	6.3	50.8
1994	134.3	118.8	253.1	12.2	8.0	20.2	273.3	271.7	545.0	7.4	50.1
1995	146.6	132.2	278.8	11.6	* 4.4	17.0	295.8	261.3	557.1	5.7	53.1
1996—											
September	126.3	129.8	256.1	11.6	7.4	18.9	275.0	270.0	545.1	6.9	50.5
October	132.9	125.5	258.3	11.4	8.2	19.7	278.0	267.1	545.1	7.1	51.0
November	131.6	128.8	260.4	8.6	* 3.7	12.3	272.7	266.3	539.0	4.5	50.6
1997—											
August	127.5	125.7	253.3	14.7	* 2.8	17.5	270.8	283.5	554.3	6.5	48.9
September	127.0	139.7	266.7	11.8	6.3	18.1	284.8	268.5	553.2	6.3	51.5
October	133.6	130.0	263.7	14.3	* 4.1	18.4	282.1	280.4	562.5	6.5	50.1
November	137.9	133.5	271.4	10.9	* 4.3	15.2	286.6	271.9	558.5	5.3	51.3
ALL FEMALES											
November—											
1993	195.6	178.6	374.2	31.4	11.1	42.6	416.8	463.2	880.0	10.2	47.4
1994	214.9	169.5	384.4	24.6	12.9	37.5	422.0	469.8	891.8	8.9	47.3
1995	223.0	199.6	422.7	30.9	10.0	40.9	463.6	447.2	910.8	8.8	50.9
1996—											
September	210.6	196.5	407.1	32.8	15.3	48.1	455.2	476.0	931.2	10.6	48.9
October	222.5	192.3	414.7	32.2	16.0	48.3	463.0	469.7	932.7	10.4	49.6
November	222.7	193.4	416.1	24.8	10.9	35.7	451.8	482.5	934.2	7.9	48.4
1997—											
August	208.6	187.4	395.9	32.1	10.4	42.5	438.4	507.1	945.6	9.7	46.4
September	200.1	213.0	413.2	31.6	12.0	43.6	456.7	490.0	946.8	9.5	48.2
October	203.3	199.4	402.7	35.2	10.3	45.5	448.2	499.8	947.9	10.1	47.3
November	210.2	201.5	411.7	30.0	11.3	41.4	453.0	496.0	949.0	9.1	47.7
PERSONS											
November—											
1993	665.0	231.7	896.6	101.2	12.8	114.0	1,010.7	729.5	1,740.2	11.3	58.1
1994	695.9	230.6	926.5	75.5	19.2	94.7	1,021.1	740.9	1,762.0	9.3	58.0
1995	724.3	266.0	990.2	82.4	15.5	97.8	1,088.0	712.8	1,800.9	9.0	60.4
1996—											
September	712.9	262.9	975.7	89.5	23.7	113.1	1,088.9	751.2	1,840.0	10.4	59.2
October	716.4	265.1	981.6	85.9	22.9	108.8	1,090.4	752.5	1,842.8	10.0	59.2
November	720.7	259.7	980.5	82.4	17.9	100.3	1,080.8	764.9	1,845.7	9.3	58.6
1997—											
August	696.4	256.9	953.3	90.6	15.7	106.3	1,059.7	807.6	1,867.3	10.0	56.7
September	696.8	285.2	982.1	101.4	19.0	120.4	1,102.4	767.2	1,869.7	10.9	59.0
October	696.0	269.8	965.8	104.8	16.7	121.5	1,087.3	784.7	1,872.0	11.2	58.1
November	705.9	275.0	980.9	89.0	19.0	108.1	1,088.9	785.4	1,874.3	9.9	58.1

**TABLE 18. EMPLOYED PERSONS: INDUSTRY (a) AND OCCUPATION (b)  
SYDNEY (MSR) AND BALANCE OF NSW (MSR), NOVEMBER 1997  
(<sup>'000</sup>)**

<i>Industry division and Major occupation group</i>	<i>Males</i>	<i>Females</i>	<i>Persons</i>
<b>SYDNEY (MSR)</b>			
<b>Industry—</b>			
Agriculture, forestry and fishing	8.1	6.4	14.5
Mining	* 4.3	* 0.6	* 4.9
Manufacturing	187.0	90.4	277.3
Electricity, gas and water supply	11.6	* 2.2	13.7
Construction	125.7	14.6	140.3
Wholesale trade	96.7	45.1	141.9
Retail trade	129.4	127.4	256.8
Accommodation, cafes and restaurants	45.8	31.0	76.8
Transport and storage	70.2	24.4	94.6
Communication services	23.3	11.5	34.8
Finance and insurance	44.1	57.2	101.4
Property and business services	119.2	101.3	220.5
Government administration and defence	34.9	26.0	60.8
Education	38.0	83.2	121.2
Health and community services	42.6	132.5	175.0
Cultural and recreational services	23.4	25.6	49.1
Personal and other services	41.7	37.3	79.0
<b>Occupation—</b>			
Managers and administrators	81.4	24.0	105.4
Professionals	194.4	185.2	379.6
Associate professionals	122.3	60.5	182.9
Tradespersons and related workers	211.3	16.3	227.6
Advanced clerical and service workers	9.7	81.4	91.1
Intermediate clerical, sales and service workers	110.7	248.2	358.9
Intermediate production and transport workers	142.1	23.3	165.4
Elementary clerical, sales and service workers	74.4	123.0	197.1
Labourers and related workers	99.8	54.8	154.6
<b>Total employed</b>	<b>1,046.0</b>	<b>816.7</b>	<b>1,862.7</b>
<b>BALANCE OF NSW (MSR)</b>			
<b>Industry—</b>			
Agriculture, forestry and fishing	99.7	36.0	135.7
Mining	14.7	* 0.6	15.3
Manufacturing	90.4	24.1	114.5
Electricity, gas and water supply	10.5	* 2.9	13.5
Construction	57.3	8.2	65.5
Wholesale trade	28.9	10.0	38.9
Retail trade	68.6	89.2	157.8
Accommodation, cafes and restaurants	21.1	37.2	58.3
Transport and storage	30.3	* 5.2	35.5
Communication services	9.0	* 3.7	12.7
Finance and insurance	8.2	11.8	20.1
Property and business services	37.8	27.8	65.7
Government administration and defence	20.9	13.5	34.3
Education	21.0	46.1	67.2
Health and community services	24.0	71.2	95.3
Cultural and recreational services	6.9	6.4	13.3
Personal and other services	19.8	17.6	37.5
<b>Occupation—</b>			
Managers and administrators	83.0	27.4	110.4
Professionals	64.6	65.3	129.8
Associate professionals	53.1	35.9	89.0
Tradespersons and related workers	111.7	13.2	124.9
Advanced clerical and service workers	* 4.6	33.8	38.4
Intermediate clerical, sales and service workers	37.8	113.5	151.4
Intermediate production and transport workers	91.7	10.1	101.8
Elementary clerical, sales and service workers	27.5	68.8	96.3
Labourers and related workers	95.2	43.6	138.8
<b>Total employed</b>	<b>569.2</b>	<b>411.7</b>	<b>980.9</b>

(a) Industry data are now classified according to the Australian and New Zealand Standard Industrial Classification. See the Explanatory Notes for more details.

(b) Occupation data are now classified according to the Second Edition of the Australian Standard Classification of Occupations (ASCO). See the Explanatory Notes for more details.

TABLE 19. LABOUR FORCE STATUS (a), REGIONS OF NSW AND ACT

	Month	Employed ( '000)	Unemployed ( '000)	Labour force ( '000)	Not in labour force ( '000)	Unemp- loyment rate (per cent)	Partici- pation rate (per cent)
INNER SYDNEY AND INNER WESTERN SYDNEY (SRs)							
MALES	1996—						
	November	111.1	7.5	118.6	55.0	6.3	68.3
	1997—						
	September	123.3	7.5	130.7	47.9	5.7	73.2
	October	117.1	6.4	123.5	55.1	5.2	69.2
FEMALES	November	121.0	7.3	128.3	49.0	5.7	72.3
	1996—						
	November	84.8	* 4.2	89.0	74.5	* 4.7	54.4
	1997—						
	September	94.4	5.6	99.9	79.2	5.6	55.8
PERSONS	October	89.7	* 3.7	93.4	90.6	* 4.0	50.8
	November	96.1	4.3	100.4	79.8	4.3	55.7
	1996—						
	November	195.9	11.7	207.6	129.5	5.6	61.6
	1997—						
	September	217.6	13.0	230.7	127.1	5.6	64.5
	October	206.8	10.1	216.9	145.6	4.7	59.8
	November	217.1	11.6	228.7	128.8	5.1	64.0
INNER SYDNEY (SR)							
MALES	1996—						
	November	73.9	* 3.7	77.6	31.7	* 4.8	71.0
	1997—						
	September	81.3	4.3	85.6	29.5	5.0	74.3
	October	73.3	* 3.4	76.7	35.2	* 4.4	68.6
FEMALES	November	76.6	* 2.5	79.1	28.9	* 3.2	73.2
	1996—						
	November	55.7	* 2.4	58.2	42.4	* 4.2	57.9
	1997—						
	September	58.9	* 2.8	61.7	46.7	* 4.6	56.9
PERSONS	October	53.8	* 2.5	56.4	55.8	* 4.5	50.3
	November	61.1	* 2.2	63.3	46.3	* 3.5	57.7
	1996—						
	November	129.6	6.2	135.8	74.1	4.5	64.7
	1997—						
	September	140.2	7.1	147.3	76.3	4.8	65.9
	October	127.2	5.9	133.1	91.0	4.4	59.4
	November	137.7	4.7	142.4	75.3	3.3	65.4
EASTERN SUBURBS (SR)							
MALES	1996—						
	November	61.2	* 2.2	63.5	31.8	* 3.5	66.6
	1997—						
	September	64.5	* 3.0	67.5	29.3	* 4.4	69.7
	October	63.7	* 2.0	65.7	27.5	* 3.0	70.5
FEMALES	November	57.3	3.2	60.5	25.5	5.2	70.3
	1996—						
	November	49.9	* 1.9	51.8	42.8	* 3.6	54.8
	1997—						
	September	52.9	* 1.9	54.8	38.8	* 3.4	58.5
PERSONS	October	49.4	* 0.6	50.0	38.9	* 1.3	56.3
	November	49.8	* 0.9	50.7	34.8	* 1.8	59.3
	1996—						
	November	111.2	4.1	115.3	74.6	3.6	60.7
	1997—						
	September	117.4	4.8	122.2	68.2	4.0	64.2
	October	113.1	* 2.6	115.7	66.4	* 2.2	63.5
	November	107.2	4.1	111.2	60.4	3.7	64.8

TABLE 19. LABOUR FORCE STATUS (a), REGIONS OF NSW AND ACT--continued

	Month	Employed ( '000)	Unemployed ( '000)	Labour force ( '000)	Not in labour force ( '000)	Unemp- loyment rate (per cent)	Partici- pation rate (per cent)
ST GEORGE-SUTHERLAND (SR)							
MALES	1996— November	124.9	8.8	133.6	41.1	6.6	76.5
	1997— September	113.2	5.1	118.3	42.8	4.3	73.4
	October	117.2	5.0	122.1	46.4	4.1	72.5
	November	123.5	4.6	128.1	42.5	3.6	75.1
FEMALES	1996— November	99.4	* 2.4	101.8	70.5	* 2.3	59.1
	1997— September	91.0	5.4	96.3	74.7	5.6	56.3
	October	93.6	4.6	98.1	81.3	4.6	54.7
	November	96.3	3.6	99.9	77.4	3.6	56.3
PERSONS	1996— November	224.3	11.1	235.4	111.6	4.7	67.8
	1997— September	204.1	10.5	214.6	117.5	4.9	64.6
	October	210.7	9.5	220.2	127.7	4.3	63.3
	November	219.8	8.2	228.0	119.9	3.6	65.5
CANTERBURY-BANKSTOWN (SR)							
MALES	1996— November	75.7	8.3	84.0	35.1	9.9	70.6
	1997— September	71.3	9.1	80.4	41.2	11.4	66.1
	October	63.4	10.0	73.4	42.3	13.7	63.4
	November	65.4	9.0	74.4	41.0	12.1	64.5
FEMALES	1996— November	52.3	4.7	57.0	63.9	8.2	47.2
	1997— September	56.4	5.9	62.4	63.9	9.5	49.4
	October	48.2	3.1	51.3	68.2	6.0	42.9
	November	53.7	4.4	58.1	63.1	7.6	47.9
PERSONS	1996— November	128.0	13.0	141.0	98.9	9.2	58.8
	1997— September	127.7	15.1	142.8	105.2	10.5	57.6
	October	111.6	13.1	124.7	110.5	10.5	53.0
	November	119.1	13.4	132.5	104.1	10.1	56.0
FAIRFIELD-LIVERPOOL AND OUTER SOUTH WESTERN SYDNEY (SRs)							
MALES	1996— November	133.5	12.9	146.4	42.0	8.8	77.7
	1997— September	132.9	15.7	148.6	51.5	10.5	74.3
	October	130.0	13.6	143.6	52.9	9.4	73.1
	November	128.3	15.5	143.8	52.5	10.8	73.2
FEMALES	1996— November	89.9	9.6	99.6	98.1	9.7	50.4
	1997— September	92.9	12.3	105.2	98.4	11.7	51.7
	October	89.6	14.0	103.6	94.3	13.5	52.3
	November	87.2	12.6	99.8	90.9	12.6	52.3
PERSONS	1996— November	223.5	22.5	246.0	140.1	9.2	63.7
	1997— September	225.8	28.0	253.8	149.9	11.0	62.9
	October	219.6	27.5	247.2	147.2	11.1	62.7
	November	215.5	28.1	243.5	143.4	11.5	62.9



TABLE 19. LABOUR FORCE STATUS (a), REGIONS OF NSW AND ACT—continued

	Month	Employed ( '000)	Unemployed ( '000)	Labour force ( '000)	Not in labour force ( '000)	Unemp- loyment rate (per cent)	Partici- pation rate (per cent)
FAIRFIELD-LIVERPOOL (SR)							
MALES	1996—						
	November	71.7	8.3	79.9	30.9	10.3	72.1
	1997—						
	September	76.6	12.9	89.4	35.4	14.4	71.6
	October	73.6	12.3	85.8	33.8	14.3	71.7
	November	74.9	12.4	87.4	33.1	14.2	72.5
FEMALES	1996—						
	November	46.5	4.3	50.7	64.8	8.4	43.9
	1997—						
	September	53.7	8.9	62.6	64.2	14.3	49.4
	October	47.8	9.8	57.5	61.5	17.0	48.4
	November	46.6	8.8	55.4	58.9	15.8	48.5
PERSONS	1996—						
	November	118.1	12.5	130.6	95.7	9.6	57.7
	1997—						
	September	130.2	21.8	152.0	99.6	14.3	60.4
	October	121.3	22.1	143.4	95.3	15.4	60.1
	November	121.6	21.2	142.8	92.0	14.9	60.8
CENTRAL WESTERN SYDNEY (SR)							
MALES	1996—						
	November	63.8	7.2	71.0	31.4	10.2	69.3
	1997—						
	September	71.5	6.2	77.7	27.3	8.0	74.0
	October	73.8	4.7	78.5	26.7	6.0	74.6
	November	70.8	4.5	75.3	26.6	6.0	73.9
FEMALES	1996—						
	November	48.1	4.7	52.8	58.5	9.0	47.5
	1997—						
	September	52.1	4.0	56.1	50.4	7.2	52.7
	October	48.0	4.8	52.8	53.9	9.2	49.5
	November	49.7	3.8	53.5	57.6	7.1	48.2
PERSONS	1996—						
	November	111.9	11.9	123.8	89.9	9.6	57.9
	1997—						
	September	123.6	10.3	133.8	77.7	7.7	63.3
	October	121.8	9.5	131.3	80.7	7.3	61.9
	November	120.6	8.3	128.9	84.2	6.4	60.5
OUTER WESTERN SYDNEY (SR) AND BLACKTOWN (C) (b)							
MALES	1996—						
	November	..	..	..	..	..	..
	1997—						
	September	147.4	10.0	157.3	40.2	6.3	79.7
	October	148.5	7.8	156.3	44.7	5.0	77.8
	November	147.3	11.3	158.6	42.9	7.1	78.7
FEMALES	1996—						
	November	..	..	..	..	..	..
	1997—						
	September	104.4	6.4	110.8	94.8	5.8	53.9
	October	105.8	9.9	115.6	96.0	8.5	54.6
	November	104.9	7.3	112.3	96.2	6.5	53.8
PERSONS	1996—						
	November	..	..	..	..	..	..
	1997—						
	September	251.7	16.4	268.1	135.0	6.1	66.5
	October	254.3	17.7	272.0	140.7	6.5	65.9
	November	252.2	18.6	270.8	139.1	6.9	66.1

TABLE 19. LABOUR FORCE STATUS (a), REGIONS OF NSW AND ACT—continued

Month		Employed ( <sup>'000</sup> )	Unemployed ( <sup>'000</sup> )	Labour force ( <sup>'000</sup> )	Not in labour force ( <sup>'000</sup> )	Unemp- loyment rate (per cent)	Partici- pation rate (per cent)
LOWER NORTHERN SYDNEY (SR)							
MALES	1996—						
	November	75.6	* 4.6	80.2	22.6	* 5.7	78.0
	1997—						
	September	78.2	* 4.0	82.2	23.6	* 4.9	77.7
	October	79.0	* 3.2	82.2	24.6	* 3.9	77.0
	November	83.4	* 4.3	87.7	24.0	* 4.9	78.5
FEMALES	1996—						
	November	72.4	* 2.4	74.8	51.7	* 3.1	59.1
	1997—						
	September	72.0	* 2.2	74.2	49.7	* 3.0	59.9
	October	74.8	* 3.2	78.0	49.5	* 4.1	61.2
	November	78.5	* 2.0	80.5	52.3	* 2.4	60.6
PERSONS	1996—						
	November	148.0	6.9	155.0	74.3	4.5	67.6
	1997—						
	September	150.2	6.2	156.5	73.3	4.0	68.1
	October	153.8	6.4	160.2	74.0	4.0	68.4
	November	161.9	6.2	168.1	76.3	3.7	68.8
HORNSBY-KU-RING-GAI (SR) AND BAULKHAM HILLS (A) (b)							
MALES	1996—						
	November	..	..	..	..	..	..
	1997—						
	September	114.4	* 1.6	116.1	36.5	* 1.4	76.1
	October	105.9	* 3.2	109.0	42.6	* 2.9	71.9
	November	108.4	* 3.2	111.7	37.9	* 2.9	74.7
FEMALES	1996—						
	November	..	..	..	..	..	..
	1997—						
	September	89.8	* 2.6	92.5	59.0	* 2.8	61.1
	October	88.1	* 2.9	90.9	59.8	* 3.2	60.3
	November	88.8	* 2.9	91.7	61.4	* 3.2	59.9
PERSONS	1996—						
	November	..	..	..	..	..	..
	1997—						
	September	204.3	4.2	208.5	95.4	2.0	68.6
	October	193.9	6.0	200.0	102.4	3.0	66.1
	November	197.2	6.2	203.4	99.2	3.0	67.2
NORTHERN BEACHES (SR)							
MALES	1996—						
	November	69.9	* 1.8	71.8	23.9	* 2.6	75.1
	1997—						
	September	72.1	2.9	74.9	14.9	3.9	83.4
	October	70.9	3.2	74.2	16.1	4.3	82.1
	November	80.2	2.7	82.8	16.5	3.2	83.4
FEMALES	1996—						
	November	55.7	* 2.1	57.9	44.8	* 3.7	56.3
	1997—						
	September	55.8	* 1.9	57.7	36.5	* 3.3	61.2
	October	55.0	* 2.1	57.1	37.8	* 3.6	60.2
	November	59.8	* 0.6	60.4	39.3	* 1.0	60.6
PERSONS	1996—						
	November	125.7	4.0	129.7	68.7	3.1	65.4
	1997—						
	September	127.9	4.8	132.6	51.4	3.6	72.1
	October	126.0	5.3	131.3	53.9	4.0	70.9
	November	140.0	3.3	143.2	55.8	2.3	71.9

TABLE 19. LABOUR FORCE STATUS (a), REGIONS OF NSW AND ACT—continued

	Month	Employed ( '000)	Unemployed ( '000)	Labour force ( '000)	Not in labour force ( '000)	Unemp- loyment rate (per cent)	Partici- pation rate (per cent)
GOSFORD-WYONG (SR)							
MALES	1996— November	71.4	* 2.4	73.8	35.6	* 3.2	67.5
	1997— September	55.7	5.8	61.5	36.1	9.5	63.0
	October	62.8	* 3.8	66.6	34.1	* 5.8	66.1
	November	60.4	5.9	66.3	34.0	8.9	66.1
FEMALES	1996— November	50.7	* 3.8	54.5	56.9	* 7.0	48.9
	1997— September	51.9	4.3	56.2	61.0	7.7	48.0
	October	49.4	* 3.1	52.5	60.6	* 5.9	46.4
	November	51.9	* 3.9	55.8	59.8	* 7.0	48.2
PERSONS	1996— November	122.1	6.2	128.3	92.5	4.8	58.1
	1997— September	107.6	10.1	117.7	97.2	8.6	54.8
	October	112.1	6.9	119.0	94.7	5.8	55.7
	November	112.3	9.8	122.1	93.8	8.0	56.5
HUNTER (SR)							
MALES	1996— November	130.5	13.7	144.2	61.6	9.5	70.1
	1997— September	135.8	23.7	159.5	65.1	14.9	71.0
	October	134.2	23.5	157.7	68.3	14.9	69.8
	November	137.0	16.9	153.8	76.2	11.0	66.9
FEMALES	1996— November	95.7	8.4	104.1	107.4	8.1	49.2
	1997— September	100.8	11.7	112.5	117.8	10.4	48.8
	October	95.9	10.3	106.2	122.4	9.7	46.5
	November	102.3	10.4	112.7	122.8	9.2	47.9
PERSONS	1996— November	226.2	22.2	248.4	169.0	8.9	59.5
	1997— September	236.5	35.5	272.0	183.0	13.0	59.8
	October	230.1	33.8	263.9	190.8	12.8	58.0
	November	239.3	27.2	266.5	198.9	10.2	57.3
NEWCASTLE (SRS)							
MALES	1996— November	113.1	12.7	125.8	55.8	10.1	69.3
	1997— September	112.5	20.9	133.5	51.0	15.7	72.4
	October	114.1	20.8	134.9	53.8	15.4	71.5
	November	115.7	15.2	130.8	62.7	11.6	67.6
FEMALES	1996— November	85.6	7.6	93.2	96.6	8.1	49.1
	1997— September	79.7	10.2	89.9	95.0	11.3	48.6
	October	78.9	9.2	88.1	98.4	10.5	47.2
	November	84.0	7.9	91.9	100.4	8.6	47.8
PERSONS	1996— November	198.7	20.3	219.0	152.4	9.3	59.0
	1997— September	192.2	31.1	223.3	146.0	13.9	60.5
	October	193.0	30.0	223.0	152.2	13.5	59.4
	November	199.6	23.1	222.7	163.1	10.4	57.7

TABLE 19. LABOUR FORCE STATUS (a), REGIONS OF NSW AND ACT—continued

	Month	Employed ( <i>'000</i> )	Unemployed ( <i>'000</i> )	Labour force ( <i>'000</i> )	Not in labour force ( <i>'000</i> )	Unemp- loyment rate (per cent)	Partici- pation rate (per cent)
ILLAWARRA AND SOUTH EASTERN (SRs) (c)							
MALES	1996—						
	November	137.7	14.8	152.5	73.2	9.7	67.6
	1997—						
	September	145.6	19.6	165.2	68.5	11.9	70.7
	October	148.3	19.4	167.7	74.7	11.6	69.2
FEMALES	1996—						
	November	111.2	10.0	121.2	116.2	8.2	51.1
	1997—						
	September	111.4	10.3	121.6	120.9	8.4	50.1
	October	108.0	10.9	118.9	133.5	9.1	47.1
PERSONS	1996—						
	November	249.0	24.7	273.7	189.4	9.0	59.1
	1997—						
	September	257.0	29.9	286.9	189.5	10.4	60.2
	October	256.3	30.3	286.6	208.2	10.6	57.9
ILLAWARRA (SR)							
MALES	1996—						
	November	94.4	12.0	106.4	53.2	11.3	66.7
	1997—						
	September	94.9	13.7	108.6	48.0	12.6	69.3
	October	97.5	12.1	109.6	51.2	11.1	68.2
FEMALES	1996—						
	November	72.3	7.9	80.2	82.0	9.8	49.4
	1997—						
	September	70.7	6.9	77.6	88.7	8.9	46.6
	October	67.7	5.6	73.4	95.7	7.7	43.4
PERSONS	1996—						
	November	166.7	19.9	186.5	135.2	10.6	58.0
	1997—						
	September	165.5	20.6	186.2	136.7	11.1	57.7
	October	165.2	17.8	183.0	147.0	9.7	55.5
WOLLONGONG (SRS)							
MALES	1996—						
	November	76.1	8.7	84.9	33.4	10.3	71.8
	1997—						
	September	66.7	9.1	75.8	32.6	12.0	69.9
	October	68.4	6.8	75.1	34.5	9.0	68.5
FEMALES	1996—						
	November	53.9	4.9	58.8	58.3	8.4	50.2
	1997—						
	September	48.9	5.6	54.5	58.1	10.3	48.4
	October	47.2	3.9	51.1	64.3	7.7	44.3
PERSONS	1996—						
	November	130.0	13.7	143.7	91.6	9.5	61.1
	1997—						
	September	115.6	14.7	130.3	90.7	11.3	59.0
	October	115.5	10.7	126.2	98.8	8.5	56.1
PERSONS	November	113.6	9.8	123.4	86.6	8.0	58.8

TABLE 19. LABOUR FORCE STATUS (a), REGIONS OF NSW AND ACT—continued

	Month	Employed ( '000)	Unemployed ( '000)	Labour force ( '000)	Not in labour force ( '000)	Unemp- loyment rate (per cent)	Partici- pation rate (per cent)
RICHMOND-TWEED AND MID-NORTH COAST (SRs)							
MALES	1996— November	97.8	20.0	117.8	65.4	17.0	64.3
	1997— September	81.4	18.5	100.0	65.3	18.5	60.5
	October	77.4	18.7	96.1	61.3	19.5	61.1
	November	70.8	18.2	89.0	56.0	20.4	61.4
FEMALES	1996— November	64.9	8.2	73.2	107.3	11.3	40.5
	1997— September	64.0	10.4	74.4	106.3	14.0	41.2
	October	63.1	10.9	74.0	101.5	14.7	42.2
	November	58.0	9.5	67.4	95.0	14.0	41.5
PERSONS	1996— November	162.7	28.2	191.0	172.8	14.8	52.5
	1997— September	145.4	29.0	174.4	171.6	16.6	50.4
	October	140.5	29.6	170.1	162.8	17.4	51.1
	November	128.8	27.6	156.4	151.0	17.7	50.9
NORTHERN, FAR WEST-NORTH WESTERN AND CENTRAL WEST (SRs) (d)							
MALES	1996— November	121.9	8.6	130.5	51.5	6.6	71.7
	1997— September	131.1	7.3	138.5	49.2	5.3	73.8
	October	125.2	9.9	135.1	54.1	7.3	71.4
	November	128.6	9.2	137.8	56.0	6.7	71.1
FEMALES	1996— November	89.0	* 4.9	93.9	96.0	* 5.3	49.5
	1997— September	89.0	5.4	94.4	92.1	5.7	50.6
	October	88.1	7.4	95.5	87.0	7.8	52.3
	November	91.5	* 4.7	96.2	92.7	* 4.8	50.9
PERSONS	1996— November	210.9	13.5	224.4	147.5	6.0	60.3
	1997— September	220.1	12.7	232.8	141.2	5.5	62.2
	October	213.3	17.3	230.6	141.1	7.5	62.0
	November	220.1	13.8	234.0	148.7	5.9	61.1
MURRAY-MURRUMBIDGEE (SR)							
MALES	1996— November	70.1	6.4	76.5	26.4	8.4	74.4
	1997— September	75.0	7.5	82.5	29.1	9.1	74.0
	October	78.0	* 4.6	82.6	26.6	* 5.5	75.7
	November	78.9	* 4.7	83.6	26.2	* 5.6	76.2
FEMALES	1996— November	50.4	* 3.4	53.8	48.8	* 6.3	52.4
	1997— September	48.1	5.8	53.9	52.9	10.7	50.4
	October	47.6	5.9	53.5	55.3	11.0	49.2
	November	47.4	6.3	53.8	57.3	11.8	48.4
PERSONS	1996— November	120.5	9.8	130.3	75.2	7.5	63.4
	1997— September	123.1	13.3	136.4	82.0	9.8	62.5
	October	125.6	10.5	136.1	81.9	7.7	62.4
	November	126.4	11.0	137.4	83.5	8.0	62.2

TABLE 19. LABOUR FORCE STATUS (a), REGIONS OF NSW AND ACT—continued

Month		Employed ( <i>'000</i> )	Unemployed ( <i>'000</i> )	Labour force ( <i>'000</i> )	Not in labour force ( <i>'000</i> )	Unemp- loyment rate (per cent)	Partici- pation rate (per cent)
AUSTRALIAN CAPITAL TERRITORY AND SOUTH EASTERN (SRs) (c)							
MALES	1996—						
	November	125.6	9.0	134.6	46.3	6.7	74.4
	1997—						
	September	136.5	12.9	149.4	43.2	8.7	77.6
	October	134.7	15.2	149.8	47.4	10.1	76.0
	November	141.0	13.7	154.7	51.2	8.8	75.1
FEMALES	1996—						
	November	108.7	8.5	117.2	77.2	7.3	60.3
	1997—						
	September	113.3	9.9	123.2	72.4	8.0	63.0
	October	112.2	10.4	122.6	80.1	8.5	60.5
	November	117.8	10.1	127.8	79.8	7.9	61.6
PERSONS	1996—						
	November	234.3	17.6	251.8	123.5	7.0	67.1
	1997—						
	September	249.8	22.8	272.6	115.6	8.4	70.2
	October	246.9	25.6	272.5	127.5	9.4	68.1
	November	258.8	23.7	282.5	131.0	8.4	68.3

(a) While the Labour Force Survey is designed primarily to produce reliable estimates at the national and State/Territory level, it also delivers estimates for a number of regions within States. As with national and State estimates, regional labour force estimates are subject to sampling error. Since estimates for regions are components of corresponding estimates at the State level — and are thus based on a considerably smaller sample size — they are subject to higher relative standard error. Care should therefore be taken in interpretation of regional estimates, particularly month to month movements. Tables of standard errors are included in the Technical Note on pages 57–62 of this publication. Regional estimates from September 1997 onward may not be directly comparable with those before September 1997 because a new sample has been selected which may have different characteristics to the old. (b) New region from September 1997. (c) Estimates for the South Eastern (SR) are not published separately. Data for the South Eastern (SR) are included in ACT and South Eastern (SRs) and in Illawarra and South Eastern (SRs). (d) From September 1997 includes Far West Statistical Division, previously excluded. Break in the series from September 1997.

TABLE 20. LABOUR FORCE STATUS: ORIGINAL SERIES, ACT

Month	Employed			Unemployed			Labour force ( <i>'000</i> )	Not in labour force ( <i>'000</i> )	Civilian population aged 15 and over ( <i>'000</i> )	Unemployment rate (per cent)	Participation rate (per cent)
	Full-time workers ( <i>'000</i> )	Part-time workers ( <i>'000</i> )	Total ( <i>'000</i> )	Looking for full-time work ( <i>'000</i> )	Looking for part-time work ( <i>'000</i> )	Total ( <i>'000</i> )					
MALES											
November—											
1993	70.8	10.9	81.7	4.3	1.0	5.4	87.1	23.2	110.3	6.2	78.9
1994	72.9	10.9	83.8	4.5	1.4	5.9	89.7	22.7	112.4	6.6	79.8
1995	72.6	11.9	84.5	5.3	1.2	6.6	91.1	22.2	113.3	7.2	80.4
1996—											
September	72.0	12.1	84.1	5.9	1.0	7.0	91.1	23.5	114.5	7.7	79.5
October	71.2	11.2	82.4	6.1	1.3	7.4	89.8	24.8	114.6	8.2	78.3
November	72.3	9.9	82.3	5.0	1.3	6.3	88.5	26.2	114.7	7.1	77.1
1997—											
August	73.1	11.6	84.7	5.4	1.9	7.3	91.9	23.5	115.4	7.9	79.7
September	74.1	11.6	85.7	5.0	2.0	7.0	92.8	22.7	115.5	7.6	80.3
October	71.8	12.1	83.9	6.6	1.3	7.9	91.7	23.9	115.6	8.6	79.4
November	72.7	11.7	84.4	5.1	1.8	6.9	91.3	24.4	115.7	7.6	78.9
MARRIED FEMALES											
November—											
1993	25.1	17.3	42.5	1.1	* 0.7	1.8	44.2	21.5	65.7	4.0	67.3
1994	27.5	15.7	43.1	* 0.8	* 0.6	1.4	44.5	20.0	64.5	3.1	69.0
1995	28.3	17.7	46.0	1.0	* 0.5	1.6	47.5	20.7	68.2	3.3	69.7
1996—											
September	26.9	16.7	43.6	1.4	* 0.6	2.0	45.6	20.9	66.5	4.3	68.5
October	24.9	17.2	42.1	1.4	* 0.5	1.9	43.9	21.4	65.3	4.2	67.3
November	24.9	15.4	40.2	1.8	* 0.9	2.6	42.8	21.8	64.7	6.1	66.2
1997—											
August	26.3	14.9	41.2	1.6	* 0.5	2.1	43.3	21.7	64.9	4.8	66.6
September	26.2	15.2	41.4	1.6	* 0.5	2.2	43.5	20.4	64.0	5.0	68.1
October	26.6	14.5	41.1	1.5	* 0.7	2.1	43.2	22.1	65.4	5.0	66.1
November	27.0	14.1	41.1	1.4	* 0.4	1.8	42.9	21.6	64.5	4.1	66.5
ALL FEMALES											
November—											
1993	42.8	28.3	71.1	3.5	1.7	5.2	76.3	39.1	115.4	6.9	66.1
1994	46.6	26.6	73.2	2.3	1.7	4.0	77.2	39.4	116.6	5.2	66.2
1995	45.7	29.7	75.4	3.5	1.9	5.4	80.7	37.1	117.9	6.6	68.5
1996—											
September	43.7	28.6	72.2	4.5	1.6	6.2	78.4	40.6	119.0	7.9	65.9
October	42.2	28.5	70.7	4.0	1.5	5.5	76.2	42.9	119.1	7.2	64.0
November	42.3	27.4	69.7	4.2	2.2	6.4	76.1	43.0	119.2	8.5	63.9
1997—											
August	45.2	26.4	71.6	3.9	2.2	6.2	77.7	41.6	119.4	7.9	65.1
September	46.9	25.7	72.6	3.8	2.7	6.5	79.1	40.2	119.3	8.2	66.3
October	47.2	24.7	71.9	3.1	2.1	5.2	77.1	42.3	119.5	6.7	64.6
November	48.1	23.8	71.9	4.0	1.6	5.6	77.5	42.1	119.6	7.3	64.8
PERSONS											
November—											
1993	113.6	39.2	152.8	7.9	2.7	10.6	163.4	62.3	225.6	6.5	72.4
1994	119.4	37.6	157.0	6.8	3.1	9.9	166.9	62.1	229.0	5.9	72.9
1995	118.3	41.6	159.9	8.8	3.1	11.9	171.8	59.3	231.2	6.9	74.3
1996—											
September	115.7	40.7	156.3	10.5	2.7	13.1	169.5	64.1	233.6	7.8	72.6
October	113.4	39.7	153.2	10.2	2.7	12.9	166.0	67.7	233.7	7.8	71.0
November	114.7	37.3	151.9	9.2	3.5	12.7	164.7	69.3	233.9	7.7	70.4
1997—											
August	118.2	38.0	156.2	9.3	4.1	13.4	169.7	65.1	234.8	7.9	72.3
September	121.1	37.3	158.3	8.8	4.7	13.6	171.9	62.9	234.8	7.9	73.2
October	119.0	36.8	155.8	9.7	3.4	13.1	168.9	66.2	235.1	7.7	71.8
November	120.8	35.5	156.2	9.1	3.5	12.5	168.8	66.5	235.3	7.4	71.7

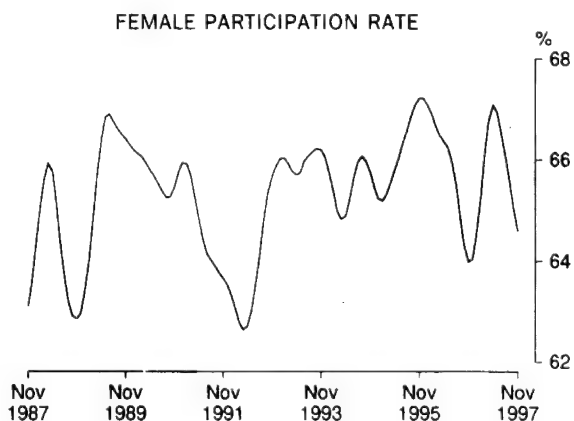
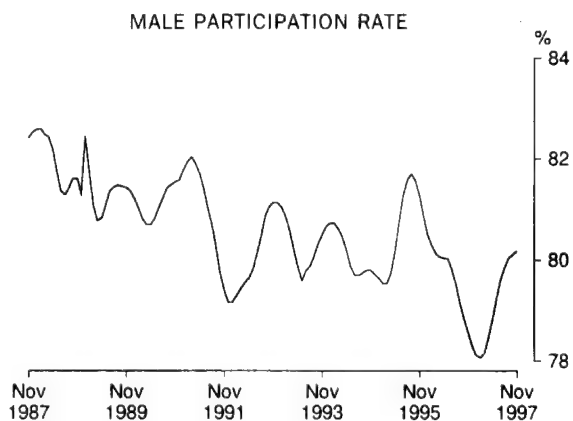
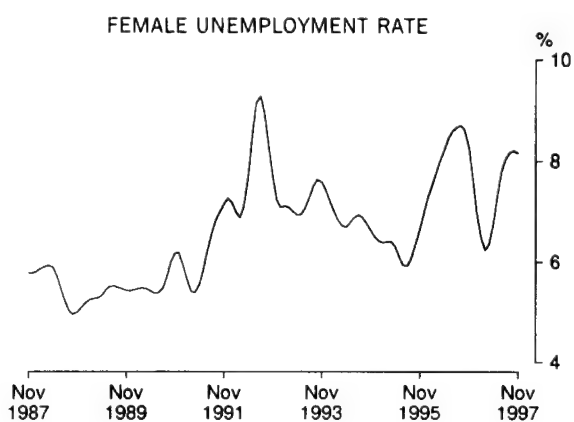
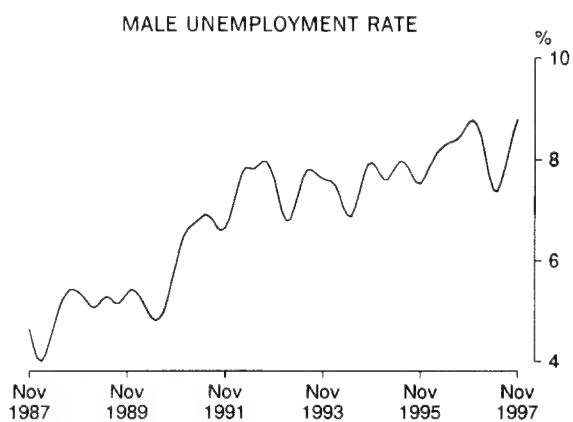
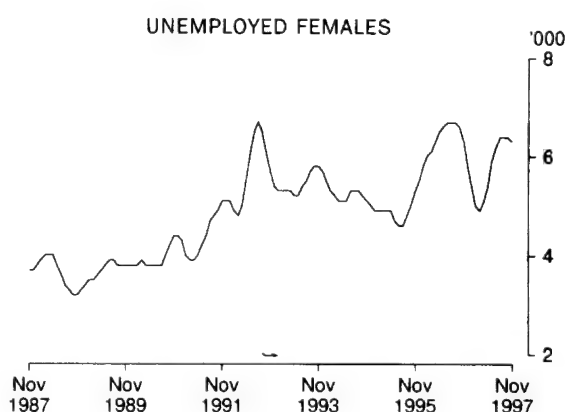
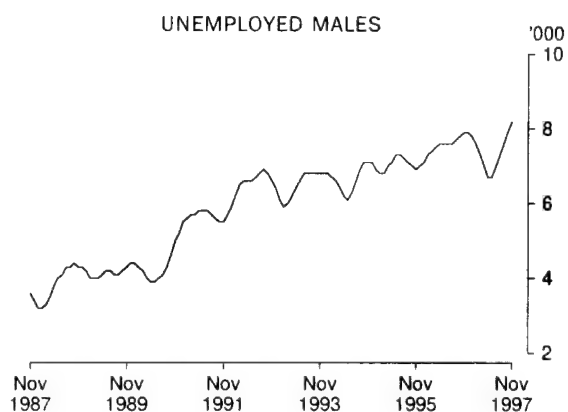
TABLE 21. LABOUR FORCE STATUS: TREND SERIES (a), ACT

Month	Employed ( '000)	Unemployed ( '000)	Labour force ( '000)	Unemployment rate (per cent)	Participation rate (per cent)
MALES					
November—					
1993	82.0	6.8	88.8	7.6	80.5
1994	82.6	7.1	89.7	7.9	79.8
1995	85.1	6.9	92.0	7.5	81.3
1996—					
September	83.0	7.7	90.6	8.5	79.1
October	82.6	7.8	90.4	8.6	78.8
November	82.3	7.9	90.1	8.7	78.6
December	82.0	7.9	89.9	8.8	78.3
1997—					
January	82.0	7.8	89.8	8.7	78.1
February	82.3	7.6	89.9	8.5	78.1
March	82.8	7.3	90.1	8.1	78.2
April	83.5	7.0	90.5	7.7	78.5
May	84.2	6.7	90.9	7.4	78.8
June	84.7	6.7	91.4	7.4	79.2
July	84.9	7.0	91.8	7.6	79.6
August	84.9	7.3	92.2	7.9	79.9
September	84.8	7.6	92.4	8.2	80.0
October	84.7	7.9	92.6	8.5	80.1
November	84.6	8.2	92.8	8.8	80.2
FEMALES					
November—					
1993	70.6	5.8	76.4	7.6	66.2
1994	71.6	5.1	76.7	6.6	65.8
1995	74.0	5.3	79.2	6.7	67.2
1996—					
September	70.5	6.7	77.2	8.7	64.9
October	70.0	6.6	76.6	8.6	64.3
November	70.0	6.3	76.3	8.3	64.0
December	70.5	5.8	76.4	7.7	64.0
1997—					
January	71.6	5.4	77.0	7.0	64.5
February	72.9	5.0	77.9	6.5	65.3
March	74.0	4.9	79.0	6.2	66.1
April	74.7	5.1	79.8	6.4	66.8
May	74.7	5.4	80.1	6.8	67.1
June	74.1	5.9	79.9	7.3	67.0
July	73.3	6.2	79.5	7.8	66.6
August	72.5	6.4	78.9	8.1	66.1
September	71.9	6.4	78.3	8.2	65.6
October	71.4	6.4	77.7	8.2	65.1
November	71.0	6.3	77.3	8.2	64.6
PERSONS					
November—					
1993	152.6	12.6	165.2	7.6	73.2
1994	154.2	12.2	166.4	7.3	72.7
1995	159.1	12.2	171.3	7.1	74.1
1996—					
September	153.4	14.4	167.9	8.6	71.9
October	152.6	14.4	167.0	8.6	71.4
November	152.2	14.2	166.4	8.5	71.1
December	152.6	13.7	166.3	8.3	71.0
1997—					
January	153.6	13.2	166.8	7.9	71.2
February	155.2	12.7	167.8	7.5	71.6
March	156.9	12.2	169.1	7.2	72.0
April	158.2	12.0	170.2	7.1	72.5
May	158.8	12.2	171.0	7.1	72.9
June	158.7	12.6	171.4	7.4	73.0
July	158.2	13.1	171.3	7.7	73.0
August	157.4	13.6	171.0	8.0	72.8
September	156.7	14.0	170.7	8.2	72.7
October	156.1	14.3	170.3	8.4	72.5
November	155.6	14.5	170.0	8.5	72.3

(a) See Explanatory Notes 29 and 30.



## TREND SERIES, ACT (a)



(a) Comparisons between these graphs should not be made, as their vertical axes are not similarly scaled.

TABLE 22. LABOUR FORCE STATUS: AGE, ACT, NOVEMBER 1997

	Persons						
	Females		Age group (years)				
	Males	Married	Total	15-19	20-24	25 and over	Total
	— '000 —						
<i>Employed</i>	84.4	41.1	71.9	9.9	20.2	126.1	156.2
Full-time workers	72.7	27.0	48.1	2.6	14.5	103.7	120.8
Part-time workers	11.7	14.1	23.8	7.3	5.7	22.5	35.5
<i>Unemployed</i>	6.9	1.8	5.6	3.4	3.1	6.0	12.5
Looking for full-time work	5.1	1.4	4.0	1.5	2.4	5.2	9.1
Looking for part-time work	1.8	* 0.4	1.6	1.8	* 0.8	* 0.9	3.5
<i>Labour force</i>	91.3	42.9	77.5	13.3	23.3	132.2	168.8
Not in labour force	24.4	21.6	42.1	8.9	4.8	52.9	66.5
Aged 15-19 attending school	3.5	* 0.0	3.1	6.7	..	..	6.7
<i>Civilian population</i>	115.7	64.5	119.6	22.2	28.1	185.1	235.3
	— per cent —						
Unemployment rate	7.6	4.1	7.3	25.4	13.4	4.6	7.4
Looking for full-time work	6.5	4.9	7.7	37.4	14.1	4.7	7.0
Participation rate	78.9	66.5	64.8	59.9	83.0	71.4	71.7
Employment/population ratio	72.9	63.7	60.1	44.7	71.9	68.2	66.4
	— number —						
Average weekly hours worked							
by employed persons	38.8	31.5	31.2	18.1	32.0	37.2	35.3
Average duration of unemployment (weeks)	41.3	20.0	22.0	22.1	29.0	40.5	32.7

TABLE 23. NON-INSTITUTIONALISED PERSONS(a): LABOUR FORCE STATUS, BIRTHPLACE AND YEAR OF ARRIVAL, ACT, NOVEMBER 1997 ('000)

	Employed	Unemployed	Not in labour force	Labour force	Civilian population aged 15 and over
<i>Born in Australia</i>	119.4	9.3	40.8	128.8	169.5
<i>Born outside Australia</i>	36.8	3.2	22.2	40.0	62.2
Arrived before 1966	9.0	* 0.5	9.1	9.5	18.6
Arrived 1966-1970	6.1	* 0.2	2.1	6.3	8.4
Arrived 1971-1975	5.7	* 0.2	2.4	5.9	8.3
Arrived 1976-1980	4.0	* 0.3	1.1	4.3	5.4
Arrived 1981-1985	4.7	* 0.7	2.6	5.3	7.9
Arrived 1986-1990	4.0	* 0.4	1.8	4.4	6.2
Arrived 1991-1995	2.2	* 0.4	2.0	2.7	4.7
Arrived 1991 to survey date	3.4	* 0.9	3.1	4.3	7.3
<i>Main English speaking countries</i>	16.7	* 0.9	7.6	17.5	25.1
Arrived before 1966	4.5	* 0.1	3.5	4.5	8.1
Arrived 1966-1970	3.8	* 0.1	* 0.8	3.9	4.6
Arrived 1971-1975	3.4	* 0.0	1.1	3.4	4.5
Arrived 1976-1980	1.4	* 0.1	* 0.7	1.5	2.2
Arrived 1981-1985	1.6	* 0.3	1.0	1.9	2.8
Arrived 1986-1990	1.0	* 0.1	* 0.3	1.1	1.4
Arrived 1991-1995	* 0.4	* 0.1	* 0.2	* 0.6	* 0.7
Arrived 1991 to survey date	1.0	* 0.2	* 0.2	1.2	1.5
<i>Other than Main English speaking countries</i>	20.2	2.3	14.6	22.5	37.1
Arrived before 1966	4.6	* 0.4	5.6	5.0	10.6
Arrived 1966-1970	2.3	* 0.1	1.4	2.4	3.8
Arrived 1971-1975	2.3	* 0.2	1.4	2.4	3.8
Arrived 1976-1980	2.6	* 0.2	* 0.4	2.8	3.2
Arrived 1981-1985	3.1	* 0.4	1.6	3.5	5.1
Arrived 1986-1990	3.0	* 0.3	1.4	3.3	4.7
Arrived 1991-1995	1.8	* 0.3	1.9	2.1	4.0
Arrived 1991 to survey date	2.4	* 0.7	2.8	3.1	5.9
<b>Total</b>	156.2	12.5	63.0	168.8	231.7

(a) Excludes boarding school pupils.

**TABLE 24. EMPLOYED PERSONS: INDUSTRY, ACT**  
(<sup>'000</sup>)

Industry division	Average for year ending					
	November 1996			November 1997		
	Males	Females	Persons	Males	Females	Persons
Industry--						
Agriculture, forestry and fishing	* 0.4	* 0.1	* 0.5	* 0.4	* 0.1	* 0.5
Mining	* 0.0	* 0.0	* 0.1	* 0.1	* 0.1	* 0.1
Manufacturing	3.4	1.6	4.9	3.2	1.6	4.8
Electricity, gas and water supply	* 0.6	* 0.2	* 0.7	* 0.4	* 0.1	* 0.5
Construction	8.0	* 1.2	9.1	9.7	* 1.1	10.7
Wholesale trade	3.4	1.3	4.7	3.2	* 0.9	4.1
Retail trade	9.8	10.2	20.0	10.1	10.4	20.5
Accommodation, cafes and restaurants	4.2	3.9	8.2	4.1	3.7	7.7
Transport and storage	3.8	* 1.1	4.9	3.4	* 1.1	4.6
Communication services	1.5	* 1.1	2.6	* 1.1	* 0.8	1.9
Finance and insurance	1.4	2.1	3.5	* 1.3	1.7	3.0
Property and business services	11.4	7.7	19.1	12.1	8.4	20.5
Government administration and defence	21.4	17.7	39.2	21.0	19.1	40.1
Education	5.2	9.0	14.2	4.7	7.9	12.6
Health and community services	2.5	9.0	11.5	2.5	9.6	12.1
Cultural and recreational services	2.6	1.7	4.4	3.0	3.2	6.2
Personal and other services	3.4	3.3	6.6	3.8	2.9	6.8
<b>Total employed</b>	<b>83.1</b>	<b>71.2</b>	<b>154.3</b>	<b>84.0</b>	<b>72.8</b>	<b>156.8</b>

**TABLE 25. EMPLOYED PERSONS: OCCUPATION (a), ACT, AVERAGE FOR YEAR ENDING NOVEMBER 1997**  
(<sup>'000</sup>)

Major occupation group	Males	Females	Persons
Occupation--			
Managers and administrators	11.1	4.8	15.8
Professionals	20.2	17.5	37.7
Associate professionals	11.9	8.0	19.8
Tradespersons and related workers	14.0	1.8	15.8
Advanced clerical and service workers	* 0.7	5.6	6.3
Intermediate clerical, sales and service workers	9.3	20.8	30.1
Intermediate production and transport workers	5.4	* 0.6	6.0
Elementary clerical, sales and service workers	6.4	11.3	17.7
Labourers and related workers	5.0	2.5	7.5
<b>Total employed</b>	<b>84.0</b>	<b>72.8</b>	<b>156.8</b>

(a) Occupation data are now classified according to the Second Edition of the Australian Standard Classification of Occupations (ASCO). See the Explanatory Notes for more details.

**AVERAGE EMPLOYMENT BY INDUSTRY DIVISION, ACT, YEAR ENDING NOVEMBER**

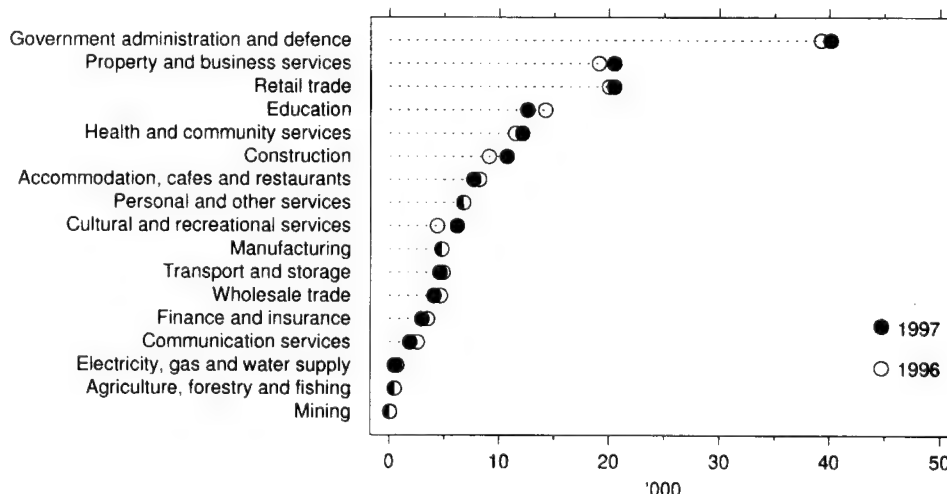
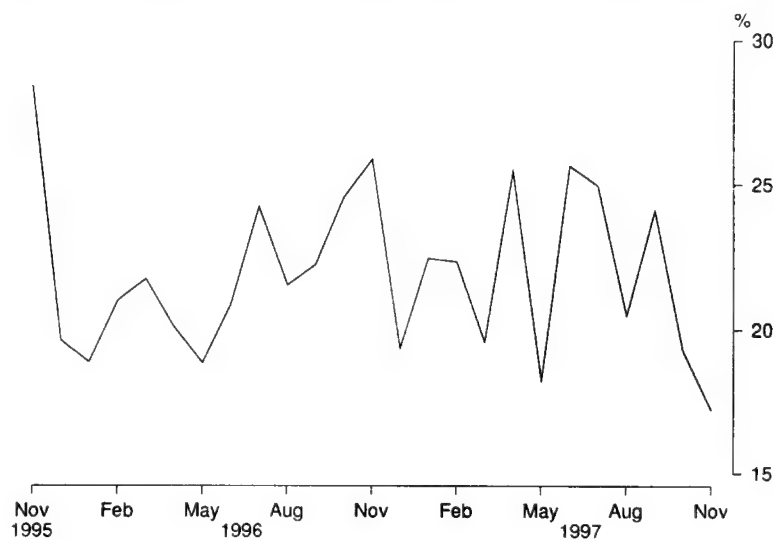


TABLE 26. LONG-TERM UNEMPLOYMENT, ACT

Month	Long-term unemployment									Long-term unemployment as a proportion of total unemployment		
	52 weeks and under 104			104 weeks and over			Total			Males (per cent)	Females (per cent)	Persons (per cent)
	Males ( <sup>'000</sup> )	Females ( <sup>'000</sup> )	Persons ( <sup>'000</sup> )	Males ( <sup>'000</sup> )	Females ( <sup>'000</sup> )	Persons ( <sup>'000</sup> )	Males ( <sup>'000</sup> )	Females ( <sup>'000</sup> )	Persons ( <sup>'000</sup> )			
1996—												
September	* 0.9	* 0.4	* 1.3	* 0.9	* 0.8	1.7	1.7	1.2	2.9	25.1	19.1	22.2
October	* 1.2	* 0.4	* 1.6	* 0.9	* 0.6	1.5	2.1	1.0	3.2	29.0	18.6	24.6
November	* 1.1	* 0.9	* 1.9	* 0.7	* 0.7	1.4	1.7	1.6	3.3	27.7	24.2	25.9
December	* 0.9	* 0.5	* 1.4	* 0.9	* 0.4	1.3	1.8	* 0.9	2.7	21.6	16.0	19.4
1997—												
January	* 1.4	* 1.0	* 2.4	* 0.6	* 0.4	1.0	2.0	1.4	3.4	22.5	22.3	22.5
February	* 1.4	* 0.7	* 2.1	* 0.9	* 0.4	1.3	2.3	1.2	3.4	26.0	17.5	22.4
March	* 1.3	* 0.3	* 1.5	* 0.8	* 0.2	1.0	2.1	* 0.4	2.5	24.9	9.5	19.6
April	* 1.2	* 0.5	* 1.7	* 0.6	* 0.6	1.3	1.9	1.2	3.0	27.8	22.5	25.5
May	* 0.9	* 0.4	* 1.3	* 0.7	* 0.2	* 0.9	1.6	* 0.6	2.1	26.8	9.7	18.2
June	* 0.8	* 1.0	* 1.8	1.0	* 0.3	1.3	1.8	1.3	3.2	26.3	24.9	25.7
July	* 0.8	* 0.6	* 1.4	* 0.8	* 0.6	1.4	1.6	1.2	2.8	26.5	23.1	25.0
August	* 0.5	* 0.9	* 1.4	1.1	* 0.2	1.3	1.6	1.2	2.8	21.5	19.3	20.5
September	* 0.8	* 1.0	* 1.8	* 0.9	* 0.6	1.4	1.7	1.6	3.3	23.8	24.5	24.1
October	* 0.8	* 0.4	* 1.2	* 0.9	* 0.5	1.4	1.7	* 0.9	2.5	21.2	16.4	19.3
November	* 0.7	* 0.4	* 1.1	* 0.8	* 0.2	1.0	1.5	* 0.6	2.2	21.8	11.5	17.2

LONG-TERM UNEMPLOYED AS A PROPORTION OF TOTAL UNEMPLOYED, ACT



# EXPLANATORY NOTES

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## INTRODUCTION

**1** This publication contains estimates of the labour force derived from the Labour Force Survey (LFS) component of the monthly population survey, which is conducted on a sample basis throughout Australia.

## THE POPULATION SURVEY

**2** This survey consists of the LFS and, in most months, one or more supplementary topics. The survey is based on a multi-stage area sample of private dwellings (houses, flats, etc.) and non-private dwellings (hotels, motels, etc.) and covers 1 in 300 of the population of NSW. The information is obtained from the occupants of selected dwellings by specially trained interviewers. The interviews are generally conducted during the two weeks beginning on the Monday between the 6th and 12th of each month. The information obtained relates to the week before the interview (i.e. the reference week).

## TELEPHONE INTERVIEWING

**3** The ABS has introduced the use of telephone interviewing into the LFS. Households selected for the LFS are interviewed each month for eight months, with one-eighth of the sample being replaced each month. The first interview is conducted face-to-face with subsequent interviews conducted by telephone (if acceptable to the respondent). Telephone interviewing was phased in for each new sample group from August 1996 to February 1997.

## SCOPE

**4** The LFS includes all persons aged 15 years and over, except:

- members of the permanent defence forces;
- certain diplomatic personnel of overseas governments, customarily excluded from census and estimated populations;
- overseas residents in Australia; and
- members of non-Australian defence forces (and their dependants) stationed in Australia.

## SURVEY SAMPLE REDESIGN

**5** The LFS sample has been reselected using information collected in the 1996 Census of Population and Housing.

**6** The bulk of the new sample will be phased in over the period September 1997 to April 1998, with one eighth of this portion of the sample being introduced every month. The remainder of the sample (about 15% of the total), which covers less settled areas of Australia and non-private dwellings was rotated in fully for New South Wales, Victoria, Tasmania, Northern Territory and Australian Capital Territory in September 1997 and for the other States in October 1997. Such a pattern of implementation means that any changes to labour force estimates due to differences between the two samples, or any other influences, will be spread over the eight months.

**7** For further details, see *Information Paper: Labour Force Survey Sample Design* (Cat. no. 6269.0)

## DEFINITIONS

**8** The labour force category to which a person is assigned depends on the actual activity undertaken during the reference week (i.e. whether working, looking for work, etc.). The following definitions, which conform closely to the international standard definitions specified by the International Labour Office (ILO), relate only to those persons within the scope of the survey.

**9** *Employed persons* comprise all civilians aged 15 years and over who, during the reference week:

- worked for one hour or more for pay, profit, commission or payment in kind (including employees, employers and self-employed persons) in a job or business, or on a farm; or
- worked for one hour or more without pay in a family business or on a farm (i.e. unpaid family helpers); or
- were employees who had a job but were not at work and were: on paid leave; on leave without pay for less than four weeks up to the end of the reference week; stood down without pay because of bad weather or plant breakdown at their place of employment for less than four weeks up to the end of the reference week; on strike or locked out; on workers' compensation and expected to be returning to their job; or receiving wages or salary while undertaking full-time study; or
- were employers, self-employed persons or unpaid family helpers who had a job, business or farm, but were not at work.

**10** Prior to April 1986, unpaid family helpers who worked for 1–14 hours were excluded from the category of employed persons.

**11** Employed persons can be classified into:

- *full-time workers* (i.e. those who usually worked 35 hours or more a week (in all jobs) and others who, although usually part-time workers, worked 35 hours or more during the reference week); and
- *part-time workers* (i.e. those who usually worked less than 35 hours a week and who did so during the reference week).

**12** *Unemployed persons* are all those aged 15 years and over who were not employed during the reference week, and:

- had actively looked for full-time or part-time work at any time in the four weeks up to the end of the reference week, and:
  - ♦ were available for work in the reference week, or would have been available except for temporary illness (i.e. lasting for less than four weeks to the end of the reference week); or
  - ♦ were waiting to start a new job within four weeks from the end of the reference week and would have started in the reference week if the job had been available then; or
- were waiting to be called back to a full-time or part-time job from which they had been stood down without pay for less than four weeks up to the end of the reference week (including the whole of the reference week) for reasons other than bad weather or plant breakdown.

**13** *Actively looking for work* includes writing, telephoning or applying in person to an employer for work; answering a newspaper advertisement for a job; checking factory or Commonwealth Employment Service notice-boards; being registered with the Commonwealth Employment Service; checking or registering with any other employment agency; advertising or tendering for work; and contacting friends or relatives.

**14** *The unemployment rate* for any group is the number unemployed expressed as a percentage of the labour force (i.e. employed plus unemployed) in the same group.

**15** The *labour force* comprises all persons who, during the reference week, were employed or unemployed as defined above.

- 16** *Long-term unemployed* comprises persons unemployed for a period of 52 weeks or more.
- 17** *Persons not in the labour force* are those who, during the reference week, were not in the categories *employed* or *unemployed* as defined above.
- 18** *The labour force participation rate* for any group is the labour force expressed as a percentage of the civilian population aged 15 years and over in the same group.
- 19** *Duration of unemployment* is the period from the time the person began looking for work or was stood down to the end of the reference week.
- 20** *Unemployed persons classified by industry and occupation.* Unemployed persons who had worked full-time for two weeks or more in the last two years are classified according to the industry and occupation of their most recent full-time job.
- 21** *Industry classification.* From August 1994, LFS industry data have been classified according to the *Australian and New Zealand Standard Industrial Classification (ANZSIC), 1993* (Cat. no. 1292.0). For further information about the application of ANZSIC to LFS data, see *Information Paper Labour Force Survey: Introduction of ANZSIC for industry data* (Cat. no. 6259.0).
- 22** *Occupation classification.* From August 1996, occupation data are classified according to the *Australian Standard Classification of Occupations (ASCO), Second Edition*. This replaces the First Edition which was introduced into the survey in August 1986. A detailed description of the new classification appears in *ASCO — Australian Standard Classification of Occupations, Information Paper* (Cat. no. 1221.0).
- 23** *Marital status.* In the LFS, persons are classified as married or not married. Persons are classified as married if they are reported as being married (including de facto) and their spouse was a usual resident of the household at the time of the survey.
- 24** *Persons attending school or a tertiary educational institution.* Persons attending school comprise those aged 15–19 years who, during the reference week, were enrolled full-time at secondary or high schools (including boarding school pupils). Persons attending a tertiary educational institution comprise those aged 15–24 years who were enrolled full-time at universities, colleges of advanced education, technical colleges, colleges of technical and further education, and theological colleges.
- 25** *Employment/population ratio.* For any group, the number of employed persons expressed as a percentage of the civilian population aged 15 years and over in the same group.

## STATISTICAL AREAS

- 26** The regional structure for NSW used in tables 16–19 is based on the Statistical Region structure of the Australian Standard Geographical Classification (ASGC). For further information concerning statistical areas, please refer to pages 51–56 and the publications *Regional Statistics, New South Wales* (Cat. no. 1304.1) and *Australian Standard Geographical Classification* (Cat. no. 1216.0).

**27** Changes were made to labour force regions in NSW from September 1997. Blacktown–Baulkham Hills SR was split up with Blacktown being merged with Outer Western Sydney SR to form Outer Western Sydney SR and Blacktown (C) and Baulkham Hills being merged with Hornsby–Ku-ring-gai SR to form Hornsby–Ku-ring-gai SR and Baulkham Hills (A). Publication of data for the former regions has been discontinued. In addition, Northern, Far West–North Western and Central West SRs now include the Far West Statistical Division, previously excluded. This has resulted in a series break in the data for this area.

**28** For further details, see *Information Paper: Regional Labour Force Statistics, September 1997* (Cat. no. 6262.0).

## SEASONAL ADJUSTMENT AND TREND ESTIMATION

**29** Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be more clearly recognised. Seasonal adjustment does not aim to remove the irregular or non-seasonal influences which may be present in any particular month. This means that month-to-month movements of the seasonally adjusted estimates may not be reliable indicators of trend behaviour. For example, irregular factors unrelated to the trend account for more than half the seasonally adjusted movement with the following frequency:

- employment: 5 in 10 monthly movements;
- unemployment: 7 in 10 monthly movements; and
- participation rate: 9 in 10 monthly movements

**30** Smoothing seasonally adjusted series produces a measure of the underlying trend by reducing the impact of the irregular component of the series. The trend estimates are derived by applying a 13-term Henderson-weighted moving average to the respective seasonally adjusted series. While this smoothing technique enables estimates to be produced which include the latest month, it does result in revisions to the most recent months as additional observations become available.

**31** Seasonally adjusted series for NSW appear in this publication in table 2. Trend estimates for NSW and ACT appear in tables 2 and 21 respectively. Seasonally adjusted data is not available for ACT.

## RELIABILITY OF THE ESTIMATES

**32** Estimates in this publication are subject to sampling and non-sampling errors. The Technical note on pages 57–59 of this publication gives information on these sources of error.



## EXPLANATORY NOTES *continued*

### RELATED PUBLICATIONS

**33** Users may also wish to refer to the following related publications which are available from the ABS Bookshop:

- *Australian Capital Territory at a Glance*, Cat. no. 1314.8, issued annually.
- *Australian Capital Territory Business Indicators*, Cat. no. 1303.8, issued monthly.
- *Australian Capital Territory Statistical Summary*, Cat. no. 1307.8, issued annually.
- *A Guide to Labour Statistics*, Cat. no. 6102.0.
- *A Guide to Smoothing Time Series — Estimates of 'Trend'*, Cat. no. 1316.0.
- *Information Paper: ASCO — Australian Standard Classifications of Occupations*, Cat. no. 1221.0.
- *Information Paper: Labour Force Survey: Introduction of ANZSIC for Industry Data*, Cat. no. 6259.0.
- *Information Paper: Labour Force Survey — Sample Design*, Cat. no. 6269.0.
- *Information Paper: Regional Labour Force Statistics, September 1997*, Cat. no. 6262.0.
- *Labour Statistics, Australia*, Cat. no. 6101.0, issued annually.
- *Labour Force, Australia, Preliminary*, Cat. no. 6202.0, issued monthly.
- *Labour Force, Australia*, Cat. no. 6203.0, issued monthly.
- *Regional Statistics, New South Wales*, Cat. no. 1304.1, issued annually.
- *Technical Paper: The Labour Force, Australia: Preliminary Data on Floppy Disk — Technical Details*, Cat. no. 6271.0.
- *Time Series Decomposition — An Overview*, Cat. no. 1317.0.

### ADDITIONAL DATA

**34** In addition to the LFS, the ABS publishes a wide range of supplementary labour market information. For details see page 50 of this publication.

**35** The ABS can also make available information which is not published. This information may be made available in one or more of the following forms: microfiche, photocopy, data tape, floppy disk, computer printout, clerically-extracted tabulation. In general, a charge is made for providing unpublished information.

### ROUNDING

**36** Figures have been rounded and discrepancies may occur between sums of the component items and the totals shown.

## APPENDIX SUPPLEMENTARY TOPICS

Although emphasis in the population survey is placed on the regular collection of data on demographic and labour force characteristics, supplementary and special surveys of particular aspects of the labour force are carried out from time to time.

It was ABS practice to release statistics from supplementary and special surveys in *Labour Force, Australia* (Cat. no. 6203.0). This practice ceased with the release of the February 1996 issue of *Labour Force, Australia*. For future releases of supplementary labour data, separate publications containing summary results and key findings will be produced.

Equivalent tables at the State level are available on microfiche. In addition, other unpublished data can be provided to meet special requirements.

CATALOGUE/ PRODUCT NO.	TITLE OF PUBLICATION/STANDARD DATA SERVICE	PRICE(a) \$
6206.0	Labour Force Experience, Australia, February 1997	18.50
6209.0	Labour Mobility, Australia, February 1996	16.00
6220.0	Persons not in the Labour Force, Australia, September 1996	16.00
6222.0	Job Search Experience of Unemployed Persons, Australia, July 1997	18.50
6224.0	Labour Force Status and Other Characteristics of Families, Australia, June 1997	19.00
6227.0	Transition from Education to Work, Australia, May 1997	18.50
6245.0	Successful and Unsuccessful Job Search Experience, Australia, July 1996	15.50
6250.0	Labour Force Status and Other Characteristics of Migrants, Australia, November 1996	15.50
6254.0	Career Experience, Australia, November 1996	16.00
6264.0.40.001*	Persons who had re-entered the Labour Force, Australia, July 1995	25.00
6265.0	Underemployed Workers, Australia, September 1996	15.50
6272.0	Participation in Education, Australia, September 1996	16.50
6275.0	Persons Employed at Home, Australia, September 1995	14.50
6286.0	Australians' Employment and Unemployment Patterns, 1994-1996	25.00
6310.0	Weekly Earnings of Employees (Distribution), Australia, August 1997	18.50
6319.0	Superannuation, Australia, November 1995	16.50
6325.0	Trade Union Members, Australia, August 1996	15.50
6342.0.40.001*	Working Arrangements, Australia, August 1995	25.00

(a) Prices quoted are subject to revision.

\* Standard data service

# APPENDIX REGIONS OF NSW AND ACT

<i>Major Statistical Region</i>	<i>Statistical Region/ Statistical Region Sector</i>	<i>Statistical Local Area</i>
<b>SYDNEY</b>		
	Inner Sydney and Inner Western Sydney (SRs)	Ashfield (A) Botany (A) Burwood (A) Concord (A) Drummoyne (A) Leichhardt (A) Marrickville (A) South Sydney (C) Strathfield (A) Sydney (C) — Inner Sydney (C) — Remainder
	Inner Sydney (SR)	Botany (A) Leichhardt (A) Marrickville (A) South Sydney (C) Sydney (C) — Inner Sydney (C) — Remainder
	Eastern Suburbs (SR)	Randwick (C) Waverley (A) Woollahra (A)
	St George–Sutherland (SR)	Hurstville (C) Kogarah (A) Rockdale (A) Sutherland Shire (A)
	Canterbury–Bankstown (SR)	Bankstown (C) Canterbury (A)
	Fairfield–Liverpool and Outer South Western Sydney (SRs)	Camden (A) Campbelltown (C) Fairfield (C) Liverpool (C) Wollondilly (A)
	Fairfield–Liverpool (SR)	Fairfield (C) Liverpool (C)
	Central Western Sydney (SR)	Auburn (A) Holroyd (C) Parramatta (C)
	Outer Western Sydney (SR) and Blacktown (C)	Blacktown (C) Blue Mountains (C) Hawkesbury (C) Penrith (C)

# APPENDIX REGIONS OF NSW AND ACT *continued*

Major Statistical Region	Statistical Region/ Statistical Region Sector	Statistical Local Area
<b>SYDNEY</b> <i>continued</i>		
	Lower Northern Sydney (SR)	Hunter's Hill (A) Lane Cove (A) Mosman (A) North Sydney (A) Ryde (C) Willoughby (C)
	Hornsby-Ku-ring-gai (SR) and Baulkham Hills (A)	Baulkham Hills (A) Hornsby (A) Ku-ring-gai (A)
	Northern Beaches (SR)	Manly (A) Pittwater (A) Warringah (A)
	Gosford-Wyong (SR)	Gosford (C) Wyong (A)
<b>BALANCE OF NSW</b> (b)		
	Hunter (SR)	Cessnock (C) Dungog (A) Gloucester (A) Great Lakes (A) Lake Macquarie (C) Maitland (C) Merriwa (A) Murrurundi (A) Muswellbrook (A) Newcastle (C) — Inner Newcastle (C) — Remainder Port Stephens (A) Scone (A) Singleton (A)
	Newcastle (SRS)	Cessnock (C) Lake Macquarie (C) Maitland (C) Newcastle (C) — Inner Newcastle (C) — Remainder Port Stephens (A)

# APPENDIX REGIONS OF NSW AND ACT *continued*

<i>Major Statistical Region</i>	<i>Statistical Region/ Statistical Region Sector</i>	<i>Statistical Local Area</i>
<b>BALANCE OF NSW</b> <i>continued</i>		
	Illawarra and South Eastern (SRs)	Bega Valley (A) Bombala (A) Boorowa (A) Cooma–Monaro (A) Crookwell (A) Eurobodalla (A) Goulburn (C) Gunning (A) Harden (A) Kiama (A) Mulwaree (A) Queanbeyan (C) Shellharbour (A) Shoalhaven (C) Snowy River (A) Tallaganda (A) Wingecarribee (A) Wollongong (C) Yarrowlumbia (A) — Part A Yarrowlumbia (A) — Part B Yass (A) Young (A)
	Illawarra (SR)	Kiama (A) Shellharbour (A) Shoalhaven (C) Wingecarribee (A) Wollongong (C)
	Wollongong (SRS)	Kiama (A) Shellharbour (A) Wollongong (C)
	Richmond–Tweed and Mid-North Coast (SRs)	Ballina (A) Bellingen (A) Byron (A) Casino (A) Coffs Harbour (C) Copmanhurst (A) Grafton (C) Greater Taree (C) Hastings (A) Kempsey (A) Kyogle (A) Lismore (C) Lord Howe Island Maclean (A) Nambucca (A) Nymboida (A) Richmond River (A) Tweed (A) — Part A Tweed (A) — Part B Ulmarra (A)

# APPENDIX REGIONS OF NSW AND ACT *continued*

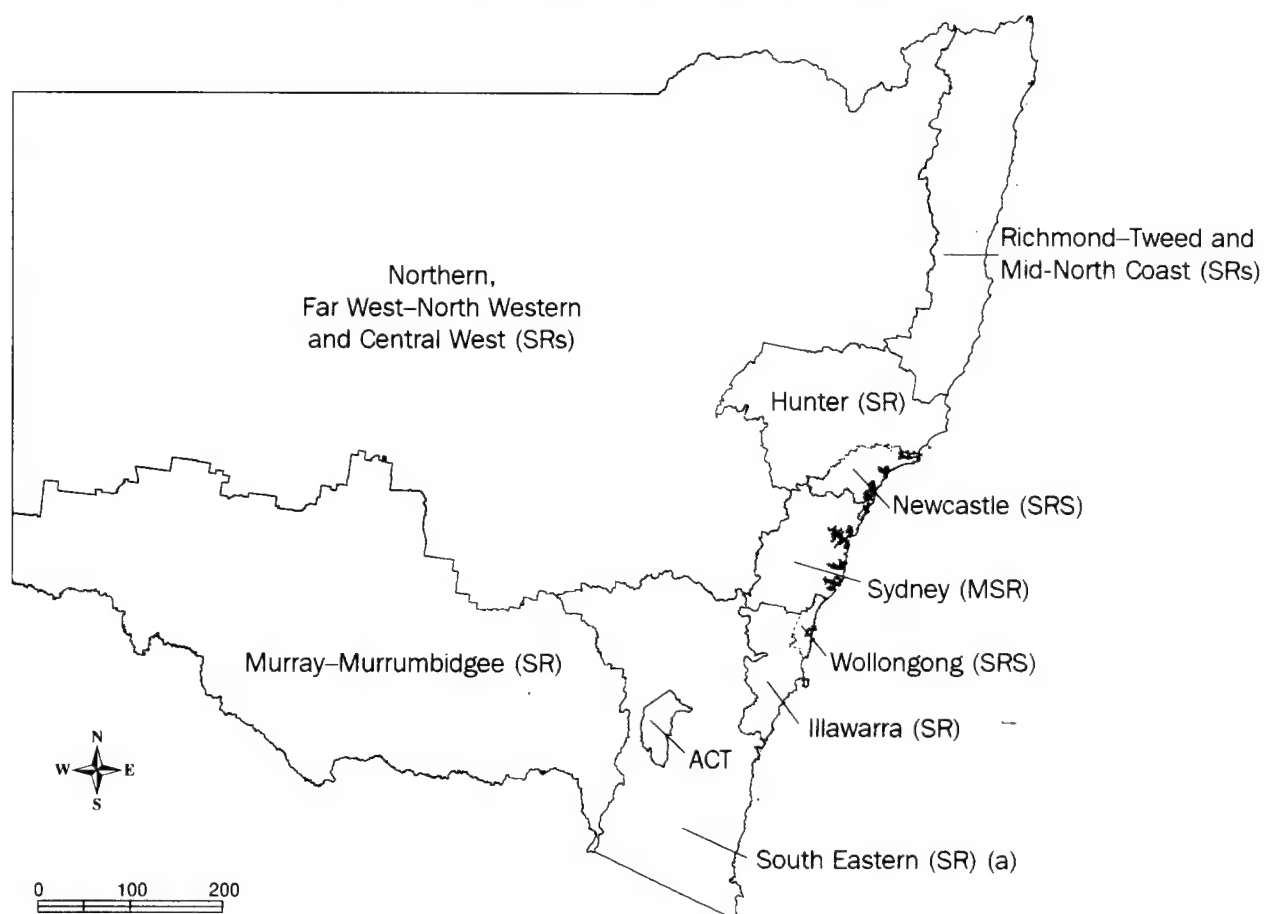
<i>Major Statistical Region</i>	<i>Statistical Region/ Statistical Region Sector</i>	<i>Statistical Local Area</i>
<b>BALANCE OF NSW</b> <i>continued</i>	Northern, Far West–North Western and Central West (SRs)	Armidale (C) Barraba (A) Bathurst (C) Bingara (A) Bland (A) Blayney (A) — Part A Blayney (A) — Part B Bogan (A) Bourke (A) Brewarrina (A) Broken Hill (C) Central Darling (A) Cabonne (A) — Part A Cabonne (A) — Part B Cabonne (A) — Part C Cobar (A) Coolah (A) Coonabarabran (A) Coonamble (A) Cowra (A) Dubbo (C) Dumaresq (A) Evans (A) — Part A Evans (A) — Part B Forbes (A) Gilgandra (A) Glen Innes (A) Greater Lithgow (C) Gunnedah (A) Guyra (A) Inverell (A) — Part A Inverell (A) — Part B Lachlan (A) Manilla (A) Moree Plains (A) Mudgee (A) Narrabri (A) Narromine (A) Nundle (A) Oberon (A) Orange (C) Parkes (A) Parry (A) Quirindi (A) Rylstone (A) Severn (A) Tamworth (C) Tenterfield (A) Unincorporated Far West Uralla (A) Walcha (A) Walgett (A) Warren (A) Weddin (A) Wellington (A) Yallaroi (A)

# APPENDIX REGIONS OF NSW AND ACT *continued*

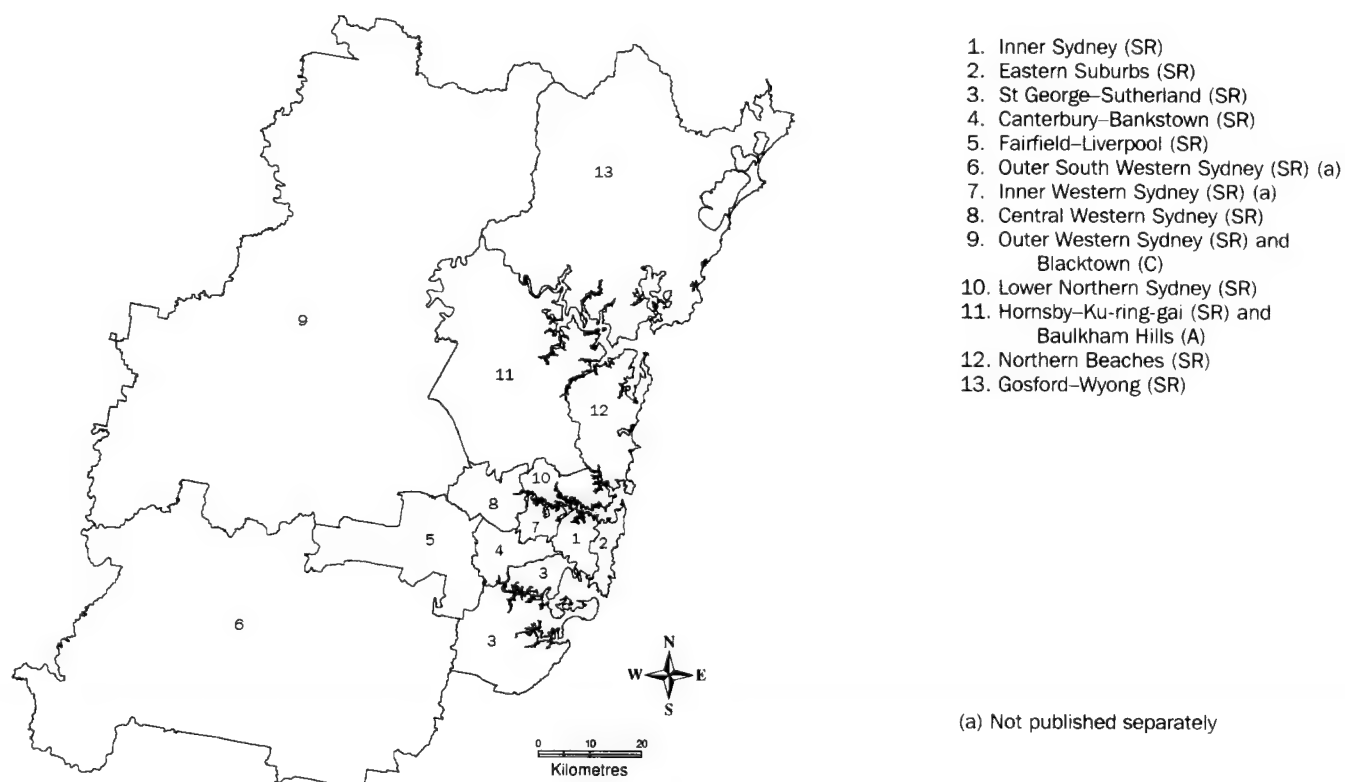
Major Statistical Region	Statistical Region/ Statistical Region Sector	Statistical Local Area
<b>BALANCE OF NSW</b> <i>continued</i>	Murray–Murrumbidgee (SR)	Albury (C) Balranald (A) Berrigan (A) Carrathool (A) Conargo (A) Coolamon (A) Cootamundra (A) Corowa (A) Culcairn (A) Deniliquin (A) Griffith (C) Gundagai (A) Hay (A) Holbrook (A) Hume (A) Jerilderie (A) Junee (A) Leeton (A) Lockhart (A) Murray (A) Murrumbidgee (A) Narrandera (A) Temora (A) Tumbarumba (A) Tumut (A) Urana (A) Wagga Wagga (C) Wakool (A) Wentworth (A) Windouran (A)
<b>NOT APPLICABLE</b>	Australian Capital Territory and South Eastern (SRs)	Australian Capital Territory Bega Valley (A) Bombala (A) Boorowa (A) Cooma–Monaro (A) Crookwell (A) Eurobodalla (A) Goulburn (C) Gunning (A) Harden (A) Mulwaree (A) Queanbeyan (C) Snowy River (A) Tallaganda (A) Yarrowlumla (A) — Part A Yarrowlumla (A) — Part B Yass (A) Young (A)

# APPENDIX REGIONS OF NSW AND ACT—MAPS

## REGIONS OF NSW AND ACT



## REGIONS OF SYDNEY (MSR)



(a) Not published separately



## TECHNICAL NOTE DATA RELIABILITY

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### SOURCES OF ERROR

There are a number of possible sources of error in sample surveys and these can be classified into two types: sampling error; and non-sampling error.

### NON-SAMPLING ERRORS

Non-sampling errors may arise as a result of errors in the reporting, recording or processing of the data and can occur even if there is a complete enumeration of the population. Non-sampling errors can be introduced through: inadequacies in the questionnaire; non-response; inaccurate reporting by respondents; errors in the application of survey procedures; incorrect recording of answers; and errors in data entry and processing.

It is difficult to measure the size of the non-sampling errors and the extent of these errors could vary considerably in significance from survey to survey, and from question to question. However, every effort is made in the design of the survey and development of survey procedures to minimise the effect of these errors.

### SAMPLING ERRORS

Sampling error is the error which occurs by chance because the data were only obtained from a sample, not the entire population.

#### Standard errors of estimates

One measure of the variability of estimates which occurs as a result of surveying only a sample of the population is the standard error (SE). There are about two chances in three that a survey estimate is within one standard error of the figure that would have been obtained if all persons had been included and about 19 chances in 20 that it is within two standard errors. That is, there are 19 chances in 20 that the true estimate is in the range—

$$X - 2 \times SE(X) \text{ to } X + 2 \times SE(X)$$

(where  $X$  is the estimate)

The standard error of an estimate can be obtained from the tables on pages 60–62. Linear interpolation should be used to calculate the standard error of estimates falling between the sizes of estimates listed in the table (see example on page 59).

In the tables in this publication, only estimates with relative standard errors of 25% or less, and percentages based on such estimates, are considered sufficiently reliable for most purposes. However, estimates and percentages with larger relative standard errors have been included and are preceded by an asterisk (e.g. \*3.4) to indicate they are subject to high standard errors and should be used with caution.

The standard error can also be expressed as a percentage of the estimate and this is known as the relative standard error (RSE). The RSE is determined by dividing the standard error of an estimate  $SE(X)$  by the estimate  $X$  and expressing it as a percentage. That is—

$$RSE(X) = \frac{SE(X) \times 100}{X}$$

(where  $X$  is the estimate)

The look up list on the following page provides a guide for the calculation of standard errors and relative standard errors for a range of statistics.

## CALCULATING STANDARD ERRORS

The methods described below refer to the calculation of standard errors for NSW estimates. Standard errors of ACT estimates should be calculated from the table on page 62, using column 2 (from September 1992) instead of the table on page 60, and column 3 (Monthly movements for December 1992–January 1993 onwards) instead of the table on page 61.

MEASURE OF RELIABILITY TO BE DETERMINED	METHOD
Standard errors of estimates of employed persons.	Determine the SE from the table on page 60 directly.
Standard errors of estimates of unemployed persons.	Multiply the SE from the table on page 60 by 1.06.
Standard errors of estimates of persons not in the labour force.	Multiply the SE from the table on page 60 by 1.1.
Standard errors of rates (e.g. the unemployment rate which is based on the number of unemployed persons expressed as a percentage of the number of persons in the labour force).	Determine the RSE of the numerator ( $X$ ) and the denominator ( $Y$ ) then apply the following formula: $RSE\left(\frac{X}{Y}\right) = \sqrt{[RSE(X)]^2 + [RSE(Y)]^2}$
Standard error of average duration of unemployment.	Determine the RSE for the number of persons on which the average is based and multiply this by 1.3.
Standard error of median duration of unemployment.	Determine the RSE for the number of persons on which the average is based and multiply this by 2.0.
Standard error of monthly movements.	From the table on page 61, look up the SE of the larger estimate.
Standard error of quarterly movements.	Determine the standard error of the larger estimate from the table on page 60 and multiply this by 1.11.
Standard error of annual movements.	Determine the standard error of the larger estimate from the table on page 60 and multiply this by 1.3.

## LINEAR INTERPOLATION

Linear interpolation is used to determine the standard error of an estimate which falls between two values listed in the size of estimate column in the tables on page 60 or 61. Linear interpolation is best described using an example. In November 1997, there were 686,800 ( $X_e$ ) employed persons working part-time in NSW. This estimate falls between the values 500,000 ( $X_l$ ) and 1,000,000 ( $X_u$ ) in the table on page 60.

The standard error of the estimate is determined as follows. Firstly calculate

$$\begin{aligned} F &= \frac{X_e - X_l}{X_u - X_l} \\ &= \frac{686,800 - 500,000}{1,000,000 - 500,000} \\ &= 0.37 \end{aligned}$$

Secondly, calculate the standard error of the estimate,  $SE(X_e)$  thus:

$$\begin{aligned} SE(X_e) &= SE(X_l) + \left( F \times [SE(X_u) - SE(X_l)] \right) \\ &= 8,800 + (0.37 \times [11,300 - 8,800]) \\ &= 9,725 \end{aligned}$$

Therefore the standard error of the number of employed persons in November 1997 working part-time in NSW (686,800) is 9,725.

# STANDARD ERRORS LEVEL ESTIMATES(a) — NSW

## REGIONS IN SYDNEY (MSR).....

Size of estimate	NSW; Sydney (MSR); Balance of NSW (MSR)	Inner Sydney and Inner Western Sydney (SRs)	Inner Sydney (SR)	Eastern Suburbs (SR)	St George- Sutherland (SR)	Canterbury- Bankstown (SR)	Fairfield- Liverpool and Outer South Western Sydney (SRs)	Fairfield- Liverpool (SR)
500	420	340	330	300	300	280	330	290
1 000	590	500	480	430	430	410	470	410
3 000	1 000	890	860	770	780	740	850	750
5 000	1 300	1 150	1 150	1 000	1 050	970	1 100	980
10 000	1 750	1 700	1 650	1 500	1 500	1 400	1 650	1 450
20 000	2 400	2 450	2 450	2 200	2 200	2 100	2 350	2 100
50 000	3 550	4 050	4 050	3 650	3 700	3 500	3 850	3 500
100 000	4 750	5 900	6 000	5 400	5 500	5 200	5 600	5 200
200 000	6 200	8 600	8 900	8 000	8 100	7 700	8 200	7 700
300 000	7 300	10 700	11 300	10 100	10 200	9 700	10 200	9 800
500 000	8 800	14 200	15 200	13 600	13 800	13 000	13 500	13 100
1 000 000	11 300							
2 000 000	14 300							
5 000 000	19 300							

## REGIONS IN SYDNEY (MSR) continued.....

Size of estimate	Central Western Sydney (SR)	Outer Western Sydney (SR) and Blacktown (C)	Lower Northern Sydney (SR)	Hornsby- Ku-ring-gai (SR) and Baulkham Hills (A)	Northern Beaches (SR)	Gosford- Wyong (SR)
500	300	310	360	320	250	330
1 000	440	450	520	460	360	470
3 000	790	820	940	830	650	850
5 000	1 050	1 100	1 250	1 100	860	1 150
10 000	1 500	1 550	1 800	1 600	1 250	1 650
20 000	2 250	2 300	2 650	2 350	1 850	2 400
50 000	3 750	3 850	4 450	3 900	3 100	4 050
100 000	5 500	5 700	6 500	5 800	4 550	6 000
200 000	8 200	8 500	9 700	8 600	6 800	8 900
300 000	10 300	10 700	12 300	10 900	8 500	11 200

## REGIONS IN BALANCE OF NSW (MSR).....

Size of estimate	Hunter (SR)	Newcastle (SRS)	Illawarra and South Eastern (SRs)	Illawarra (SR)	Wollongong (SRS)	Richmond- Tweed and Mid-North Coast (SRs)	Northern, Far West- North Western and Central West (SRs)	Murray- Murrumbidgee (SR)
500	350	330	330	310	270	370	360	360
1 000	500	480	480	450	390	530	520	520
3 000	900	870	870	810	710	950	940	940
5 000	1 200	1 150	1 150	1 050	940	1 250	1 250	1 250
10 000	1 700	1 650	1 650	1 550	1 350	1 850	1 800	1 800
20 000	2 500	2 450	2 400	2 250	2 000	2 700	2 650	2 650
50 000	4 100	4 100	3 950	3 700	3 350	4 500	4 450	4 400
100 000	6 000	6 000	5 700	5 400	4 950	6 600	6 600	6 500
200 000	8 700	9 000	8 400	7 800	7 300	9 900	9 800	9 700
300 000	10 900	11 300	10 400	9 800	9 300	12 400	12 300	12 300

(a) Standard errors of estimates from September 1992. For standard errors for earlier periods, see previous issues of this publication.

# STANDARD ERRORS MOVEMENT ESTIMATES(a) — NSW

## REGIONS IN SYDNEY (MSR).....

Size of estimate	NSW; Sydney (MSR); Balance of NSW (MSR)	Inner Sydney and Inner Western Sydney (SRs)	Inner Sydney (SR)	Eastern Suburbs (SR)	St George— Sutherland (SR)	Canterbury— Bankstown (SR)	Fairfield— Liverpool and Outer South Western Sydney (SRs)	Fairfield— Liverpool (SR)
500	540	330	270	260	240	240	290	220
1 000	690	440	360	350	330	330	390	300
3 000	1 050	700	600	580	540	540	630	500
5 000	1 250	870	750	730	680	680	780	630
10 000	1 600	1 150	1 050	990	930	930	1 050	860
20 000	2 050	1 550	1 400	1 350	1 250	1 250	1 400	1 150
50 000	2 900	2 300	2 150	2 050	1 950	1 900	2 050	1 750
100 000	3 700	3 100	2 900	2 800	2 650	2 650	2 800	2 400
200 000	4 750	4 200	4 000	3 850	3 600	3 600	3 750	3 300
300 000	5 500	5 000	4 800	4 600	4 350	4 300	4 400	4 400
500 000	6 700	6 200	6 000	5 800	5 400	5 400	5 500	5 000
1 000 000	8 600							
2 000 000	11 100							
5 000 000	15 500							

## REGIONS IN SYDNEY (MSR) continued.....

Size of estimate	Central Western Sydney (SR)	Outer Western Sydney (SR) and Blacktown (C)	Lower Northern Sydney (SR)	Hornsby— Ku-ring-gai (SR) and Baulkham Hills (A)	Northern Beaches (SR)	Gosford— Wyong (SR)
500	220	240	290	230	210	270
1 000	300	330	400	310	280	380
3 000	490	540	660	510	470	620
5 000	610	680	830	640	590	780
10 000	840	940	1 150	870	800	1 050
20 000	1 150	1 300	1 550	1 200	1 100	1 450
50 000	1 750	1 950	2 350	1 800	1 650	2 200
100 000	2 350	2 650	3 200	2 450	2 250	3 000
200 000	3 250	3 600	4 400	3 400	3 100	4 100
300 000	3 900	4 350	5 300	4 050	3 750	4 950

## REGIONS IN BALANCE OF NSW (MSR).....

Size of estimate	Hunter (SR)	Newcastle (SRS)	Illawarra and South Eastern (SRs)	Illawarra (SR)	Wollongong (SRS)	Richmond— Tweed and Mid-North Coast (SRs)	Northern, Far West— North Western and Central West (SRs)	Murray— Murrumbidgee (SR)
500	320	280	340	340	260	300	340	290
1 000	430	390	460	460	350	420	470	400
3 000	690	640	740	730	580	680	760	660
5 000	860	800	910	910	730	860	960	830
10 000	1 150	1 100	1 250	1 200	990	1 200	1 300	1 150
20 000	1 550	1 500	1 650	1 650	1 350	1 600	1 800	1 550
50 000	2 300	2 250	2 450	2 400	2 050	2 450	2 750	2 350
100 000	3 100	3 100	3 250	3 250	2 800	3 350	3 750	3 200
200 000	4 150	4 250	4 400	4 350	3 850	4 550	5 100	4 350
300 000	4 900	5 100	5 200	5 200	4 600	5 500	6 100	5 200

(a) Standard errors of month to month movements from December 1992–January 1993 onwards. For standard errors for earlier periods, see previous issues of this publication.

# STANDARD ERRORS Level & movement estimates(a)—ACT

Size of estimate	Monthly movements for December 1992— January 1993	
	From September 1992 (a)	onwards (a)
500	180	150
1 000	240	220
3 000	390	320
5 000	490	390
10 000	640	500
20 000	840	640
50 000	1 200	900
100 000	1 550	1 150
200 000	1 950	1 500
300 000	2 250	1 750

(a) For standard errors for earlier periods, see *Labour Force, Australia* (Cat. no. 6203.0).



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